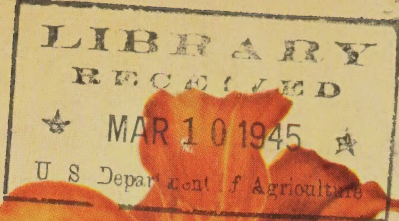


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1945



All-America
FLASH
MARIGOLD

For Better Crops . . . Buy Better Seeds at

DUTHIE SEED COMPANY

510 MAIN AVE. - SPOKANE 8, WASHINGTON

1101 MAIN STREET - LEWISTON, IDAHO

Serve only **FRESH VEGETABLES**



USE
ONLY THE
Best Seed
IN LARGE
OR SMALL
GARDENS

Vegetables prepared immediately after harvesting retain valuable vitamins, etc.

A PRODUCTIVE VICTORY GARDEN is one more contribution you can make to the war effort. If it is well planned it will yield a large variety of fresh vegetables for your table.

Work out a complete plan of operation before you buy any seed or do any outside work. Be sure the vegetable garden will be in full sun more than half of the day.

Short beds are an advantage. They take less time to care for properly, therefore making a greater showing of accomplishment.

Outline the entire garden, including the paths and beds, with stout string fastened to stakes to make planting easier. Then place stakes for the first row and stretch a line between them. Repeat this before plant-

ing each row so it will be straight and all rows will be the correct distance apart.

Be sure your garden plot has good drainage. Standing water will ruin plants. There should be some protection against strong winds.

Essential tools you will need are spade (or fork), hoe, rake, and a small hand duster or sprayer.

A "spring gardener" lets his work go with neglect as soon as the weather is warm. So make a good start and keep going all season by doing a little bit each day. That is the advantage of the short row—it is never discouraging.

Remember the soil in your garden is a part of the arsenal of democracy.



NANTES
CORELESS
CARROT





TO OUR LEWISTON CUSTOMERS

After twenty years in our present location at 826 Main Street, we are forced by the expansion of the store next to us to vacate by January 1, 1945.

We believe this has been to our advantage as we have purchased a building at 11th and Main Streets and are now remodeling it. We will be able to serve you to better advantage on and after January 10th. Our new location gives you plenty of parking space for loading and shopping with us. It also gives us rail facilities at our back door.

We will be pleased to serve you at our new location.

J. EARL DUTHIE

DUTHIE SEED COMPANY

1101 Main Street

Lewiston, Idaho

TO OUR SPOKANE CUSTOMERS

Above are pictures of our remodeled and modernized store at 510 Main Avenue, Spokane, Wash.

Since opening this store in 1933 it has been our constant desire to improve our store and service so we might more efficiently assist and serve you with your home, farm and garden problems.

We have built our business with quality merchandise and fair dealing and we solicit your continued patronage on that basis.

R. W. NEVILLE, Mgr.

DUTHIE SEED COMPANY

510 Main Avenue

Spokane 8, Wash.

VEGETABLE SEEDS

ASPARAGUS

1 oz. to 100 ft., 4 lbs. per acre.

Soak the seed for 24 hours before planting to insure more rapid and certain germination. Sow in spring in rows about 18 inches apart, allowing 15 to 20 seeds to the foot. Cover 2 inches deep. When plants are well established, thin to about an inch apart. Hoe frequently during the summer. Set in a permanent bed the following spring.

MARY WASHINGTON. Shoots slightly oval in shape, firm and tender and richly flavored. **Pkt. 10c.**



BUSH, GREEN POD

DWARF HORTICULTURAL. Particularly desirable green shell and snap sort for home and market garden. Plant medium small, thrifty and productive. Pods dark green at snap stage, becoming greenish yellow splashed with carmine. 5 to 5½ inches long. Strictly stringless, slightly fibrous. Seeds plump oval, pinkish buff, spotted and streaked with purplish red.

IMPROVED STRINGLESS GREEN POD. High quality for home and market garden. Plant large, thrifty, heavily productive. Pods medium green, 5½ inches long, almost ½ inch wide and equally thick. Very fleshy, strictly stringless, fine grained, tender. Seeds coffee brown.

TENDERGREEN. This is a new bush bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green beans. The pods grow 6 to 7 inches long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless.

WHITE NAVY. (The common white pea bean of commerce.) Ripe in 90 to 100 days. Plant large with tendency to form runners. Hardy, very prolific; ripens uniformly. Pods 4 inches long. Dry beans small, white. **Pkt. 10c; 1 lb. 25c.**

BUSH, WAX POD

TOP NOTCH GOLDEN WAX. New blight resistant. A splendid home garden and canning variety. Plant small, productive. Pods very attractive; golden yellow; 4½ to 5 inches long, ½ inch wide, thick, oval; fleshy, brittle, stringless. Seeds white, splashed with violet carmine and purple.

PENCIL POD BLACK WAX. Very desirable for home and market garden and for truckers. Plant large and thrifty. Heavily productive over long period. Pods handsome bright yellow, 5½ to 6 inches long, ⅜ inch thick, cylindrical; very fleshy, stringless, brittle, fine grained, and tender. Quality unexcelled. Seeds black.

DUTHIE'S STRINGLESS WAX. (Brittle Wax.) Valuable for home garden and canning. Plants are erect, medium large, prolific. Handsome pods of waxy light yellow, 5½ to 6 inches long, thick and round. Very fleshy, brittle, strictly stringless and without fibre. Seeds white with brownish-black eye.

BEANS

Dwarf beans:

1 lb. to 100 ft., 50 to 60 lbs. per acre.

Pole beans:

1 lb. to 100 ft., 30 to 35 lbs. per acre.

Lima beans:

1 lb. to 100 ft., 30 to 50 lbs. per acre.

Plant beans after all danger of frost is past, in warm, dry, well prepared soil. The rows should be 2 to 3 feet apart and the seeds covered 1½ to 2 inches deep. Thin the young plants to 3 to 6 inches apart in the rows.

Shallow cultivation should be frequent until blossoming, then stop to avoid injury to the roots. Root injury causes the blossoms to fall off. For succession, plant every two weeks until midsummer. Frequent picking of the crop insures long bearing.

Prices: Pkt. 10c; ½ lb. 20c; 1 lb. 35c, except as otherwise noted.

ROOTONE

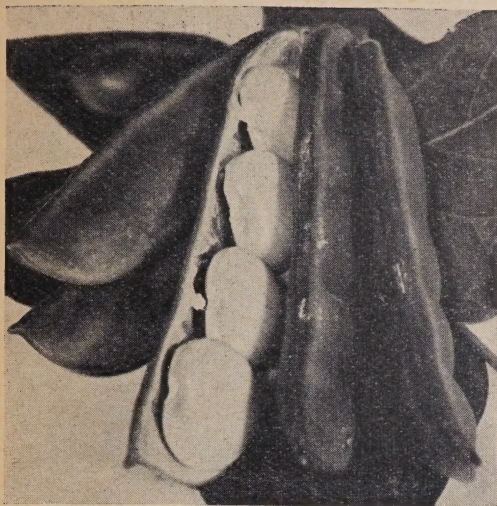
Reg. U. S. Pat. Off.



Geranium Cuttings—Treated and Untreated

ROOTONE, the plant hormone powder. Dip cuttings in Rootone before planting to give

faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use. ¼ oz. packet 25c. 2 oz. jar \$1.00. 1 lb. can \$5.00.



LIMA BEANS, DWARF

HENDERSON'S. Sometimes called the Baby Lima, and known in some sections as the Butter Bean. Plant is small, dark green, erect, bushy, and very early. Pods flat, green shelled beans flat, small and of excellent quality. **Pkt. 10c; ½ lb. 30c; 1 lb. 50c.**

BURPEE'S IMPROVED BUSH. Plants large, heavily productive. Pods large, 4½ to 5 inches long. Usually contain 4 large, thick beans. Dry beans large, flat, greenish white. **Pkt. 10c; 1 lb. 50c.**

POLE BEANS

Pkt. 10c; ½ lb. 30c; 1 lb. 50c, Except as Noted.

BLUE LAKE OR WHITE CREASEBACK. Splendid snap bean for home garden and early market. Good climber, heavily productive. Pods light green, 5½ inches long, ½ inch wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds white; excellent for baking.

KENTUCKY WONDER. This most popular of all pole beans should be in every garden. The dark green pods are round and long, measuring 9 to 10 inches; they are always stringless as snaps, and never become tough. Seeds light brown colored. **½ lb. 20c; 1 lb. 35c.**

KENTUCKY WONDER WAX. An early and hardy bean somewhat resembling the Kentucky Wonder except in color of pods, which are light yellow and broader. If a wax podded bean is desired for home or market this is the one best variety to plant. Seed oval, flattened, somewhat shriveled, dark brown.

OREGON GIANT GREEN POD. We highly recommend this variety to home gardeners. It keeps producing until killed by frost. Large, fleshy pods, 10 to 12 inches in length, stringless, light greenish yellow, splashed with red. A very tasty bean that requires very little care.

OREGON POLE LIMA. Proven over many years to be well adapted to our cool Northwest climate. A strong, vigorous grower, bearing continuously until frost. Pods are at their best when turning yellow.

SCARLET RUNNER. About in season with pole limas. Good climber. Flowers scarlet, decorative. Pods dark green; 6 inches long; flat, oval. Fleshy; desirable for snaps and green shell beans. Seed kidney shaped, flat; dark purple, spotted with reddish buff.

ROMAN. The pods when young are of excellent quality and make fine snapshoots. They measure 5 to 6 inches long and are stringless. The dried beans are grown extensively for winter use. They are large, of a light fawn color, speckled with dull red. Highly recommended as a baking bean.

BEET

1 oz. to 100 ft., 8 to 14 lbs. per acre.

Seed should be sown at the rate of one ounce to 100 feet of row. The rows should be spaced 14 to 24 inches apart. Work the soil well and cover the seeds about an inch deep. A rich sandy loam is most favorable, but nearly all types of soil will produce beets if sufficiently fertilized and properly tilled. All varieties of beets sell for: **Pkt. 10c; 1 oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.**

DETROIT DARK RED. The standard of excellence in table beets for home and market garden, for shipping, and for canning. Tops uniform, small, slender, erect. Roots globe shaped; symmetrical, with small collar and small tap-root. Very dark blood red.

EARLY WONDER. Very desirable for home and market garden. Tops small. Root flattened globe shape with small collar and tap-root. Dark purplish red. Flesh deep purplish red zoned a lighter shade.

EARLY EGYPTIAN. Best for forcing and particularly valuable for early market. Tops small and upright. Roots flattened, with long slender tap-roots. Flesh dark purplish red zoned lighter.



SWISS CHARD

1 oz. to 100 ft., 6 to 10 lbs. per acre.

Only the tops of this beet are used, like spinach, and the succulent stalks and midribs may be prepared in the same way as asparagus. The plants are cultivated like beets except that they should be thinned to 8 to 10 inches apart. **Pkt. 10c; 1 oz. 25c; ¼ lb. 70c.**

LUCULLUS, DARK GREEN. The fleshy crumpled leaves of this variety make very choice greens. Plant erect; stalks rounded and finely ribbed. Foliage a rich deep green.

RHUBARB CHARD. Easily grown, thrives everywhere. Leaf stalks are bright but delicate, translucent crimson; the rich color extends out through the veins into the dark green leaves. Delicious flavor. **Pkt. 10c; oz. 30c.**

MANGEL WURZEL

1 oz. to 100 ft., 6 to 10 lbs. per acre.

Valuable as stock feed. Plant early in the spring in rows 2½ feet apart. The seeds should be 1 inch apart in the row and covered by 1½ inches of soil firmly pressed down. Cultivate frequently. When the plants are 3 inches high, begin to thin until the roots are 10 inches apart. All varieties of Mangels: 1 oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

DANISH SLUDSTRUP. Very high yielder. Roots long oval, orange colored; flesh white with faint yellow tinge.

GIANT HALF SUGAR. This variety is one of the favorites among the dairymen and hog raisers. It is very sweet and nutritious, as it has a larger sugar content than the ordinary mangel.

GOLDEN TANKARD. Heavy cropper; easily harvested. Roots large; thick oval, nearly cylindrical; light gray above, deep orange below ground. Flesh yellow with white zones.

MAMMOTH LONG RED. Superior to strains offered or Norbiton Giant, Colossal, Monarch, etc. Roots very large; long spindle shape, straight and thick; grow one-third to one-half out of ground. Light red; flesh white tinged with rose.

SUGAR BEET. The most desirable beet for sugar manufacture. Valuable for stock feeding. Roots medium large, 12 to 15 inches long, 3½ to 4 inches at shoulder, tapered; white, with a tinge of gray; very rich in sugar content. Good keeper.

BROCCOLI

½ oz. to 100 ft., 4 oz. per acre.

This is similar to cauliflower in color, character of foliage, form, and size of heads. It requires a long growing season and is especially suited to the Pacific Coast states. Pkt. 10c; 1 oz. 70c.

ITALIAN GREEN SPROUTING. This vigorous plant is entirely different from the white heading sorts. Cultivated like cabbage, it bears a succession of sprouting heads which, if kept cut, will be replaced by others for 8 to 10 weeks. Each sprout, about 5 inches long, ends in a small head of deep green buds. It is one of the most delicious green vegetables.



BRUSSELS SPROUTS

½ oz. to 100 ft., 4 oz. per acre.

Small shoots like miniature cabbages clustered around a stem are the valuable part of this unique member of the cabbage family. They are successfully grown wherever conditions are favorable for late cabbage and require the same method of culture. They mature best in the autumn after the weather becomes cool. Pkt. 10c; 1 oz. 75c.

DWARF IMPROVED. Plants dwarf and compact. 20 inches tall. Very uniform; stem well covered with firm, round cabbage-like balls of 1¼ to 1½ inches in diameter which mature in succession.



CABBAGE

½ oz. to 100 ft., 4 oz. per acre.

For plants of early kinds, sow seed in January under glass and put out into flat about 2 inches apart. Transplant to open ground as early in the spring as the soil can be prepared, setting 1½ to 2 feet apart, in rows, which should be 3 feet apart. Cultivate frequently, and during dry weather water copiously. Late cabbage seed should be sown in drills in open ground during April and May, and transplanted in June or July. Fertilize heavily, using 400 pounds nitrate of soda per acre in three dressings, one-third when plants are set out, and two-thirds a month apart later. Pkt. 10c; 1 oz. 50c; ¼ lb. \$1.50.

EARLY VARIETIES

COPENHAGEN MARKET. Distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plants small, compact, allowing very close planting. Stem short; heads uniformly round; firm; becomes 6 to 7 inches in diameter. Weight 3½ to 4 pounds. Interior clear white and of excellent quality. Pkt. 10c; oz. 65c; ¼ lb. \$1.90.

EARLY JERSEY WAKEFIELD. Extremely early variety, very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing close planting; stem short. Heads firm and conical; usually 7 inches long; 5 inches thick near base; weight, 2 to 2¼ pounds.

GOLDEN ACRE. The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short. Heads uniformly round; firm, commonly 6 inches in diameter and weight 3 pounds. Pkt. 10c; oz. 65c.

LATE VARIETIES

DANISH BALL HEAD. Without exception, this is the best late cabbage. The plants are medium sized with short stem. Heads large; flattened globe shape; become 8 to 9 inches across, 6 to 7 inches deep, and weigh 7 to 9 pounds. Very firm and solid; of excellent quality; keep perfectly in storage until late spring.

LATE FLAT DUTCH. The best very large, late cabbage. Popular for home and market garden. A good keeper. Heads very large and flat, but deep; become 12 to 14 inches across, 7 inches deep, and weigh 12 to 14 pounds or more; firm and of good quality.

MAMMOTH RED ROCK. A sure cropper and used very extensively for pickling. The solid heads are borne on medium-length stems and are red throughout. Perfectly round, solid as a rock, and quite large, often weighing 6 to 8 pounds each. The latest of the red cabbages.



Savoy

SAVOY. Enjoys great popularity on account of its tasty flavor, which is sweeter and more delicate than that of ordinary cabbage. The large round heads are somewhat flattened and very heavy. The deep green, crinkled outer leaves enclose the tender, light green heart. It matures late in the fall and will keep all winter.

CHINESE IMPROVED OR WONG BOK. This exceptionally fine vegetable is rapidly growing in public favor. Its growth, which resembles the Cos lettuce, has long heads and crisp leaves. Very mild and pleasant flavor served as a salad or cooked. Pkt. 10c; 1 oz. 50c.

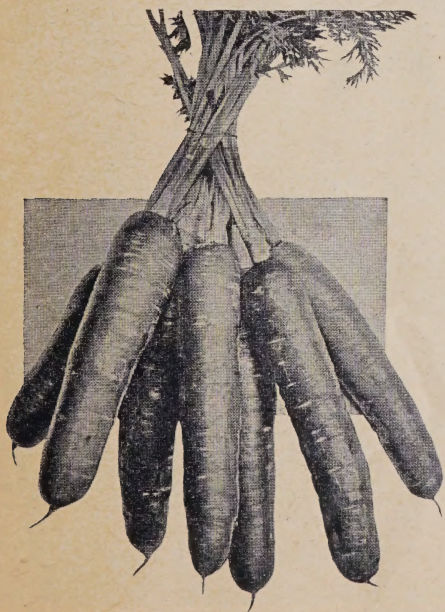
CARROTS

1/2 oz. to 100 ft., 3 to 4 lbs. per acre.

Sow seeds in light sandy soil, from April to July, in drills 1 1/2 feet apart, covering the seed 1/2 inch deep. Thin out the young plants from 3 to 5 inches apart, according to size of variety. Cultivate freely and do not allow the soil to get too dry during hot weather. All varieties of carrots: Pkt. 10c; 1 oz. 30c; 1/4 lb. 90c.

CHANTENAY, NEW CORELESS. Flesh is a deep golden orange color, always smooth and fine in texture, very tender. Excellent bunching variety and grown extensively by market growers. Medium early.

CHANTENAY, RED CORE. A fine carrot. Flesh tender and sweet, reddish orange in color with the core indistinct and of about the same color as the surrounding flesh. Suitable for canning and table use. 72 days.



DANVER'S HALF LONG. The roots are a rich dark orange color and by reason of its symmetrical shape, which is long and pointed, it makes an excellent bunching variety. It has proved over a period of years to be the most popular carrot, both with the grower and the shipper.

NANTES CORELESS. Excellent for forcing, as well as for home and market garden use. Tops very small. Roots bright orange, cylindrical, blunt tipped. Flesh reddish orange, crisp, tender and of very delicate flavor. Practically coreless.

IMPERATOR. This carrot grows to a length of 6 to 7 inches with a shoulder diameter of 1 1/4 to 1 1/2 inches and is a deep orange color. It has a smooth crown; does not have undesirable side shoots; has a fine texture, and is good and sweet. In all respects it is very attractive for shipping purposes.

OXHEART. Beautiful shape and color. The roots generally attain 4 to 5 inches in length, and about 3 inches in diameter. Quality first rate, very tender, and a variety that is used in quantity.

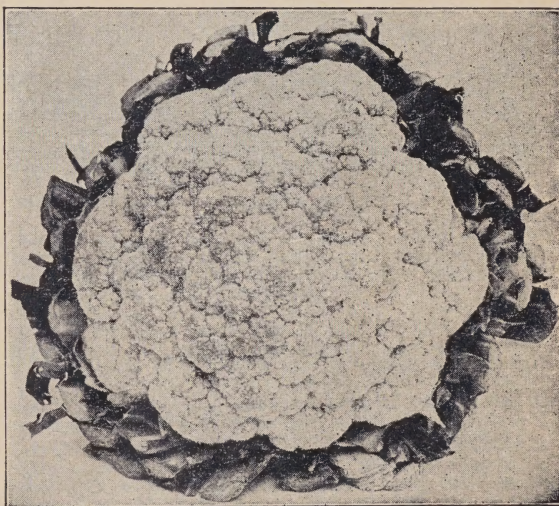
LONG ORANGE. A heavy cropper on light soils; much grown for stock as well as for table use. Roots scarlet-orange; 10 to 12 inches long, 2 inches thick at the top; tapered, pointed.

STOCK CARROTS

Pkt. 5c; 1 oz. 25c; 1/4 lb. 75c; 1 lb. \$2.00.

WHITE BELGIAN. A late variety, an excellent keeper and a very heavy yielder. Principally grown for stock feed, it will yield as much as 40 tons per acre. Roots are 7 to 8 inches long, 3 inches across at the top, tapered and pointed.

ORANGE BELGIAN. A very productive variety, with roots measuring 20 inches long. They are broad at the shoulder, and gradually taper to a fine point. The skin below the ground is a light orange, but above the soil surface it is green. Will yield heavily, particularly on good deep soil.



CAULIFLOWER

1/2 oz. to 100 ft., 4 oz. per acre.

The same methods that produce good cabbage will grow good cauliflower. The only great difference is that cauliflower heads must be protected from sunlight so as to make sure of the desirable white curd. Gather the tops of the leaves together loosely as soon as the heads begin to form. In shutting out the light, it is important not to cramp the heads. Pkt. 15c.

DANISH GIANT, DRY WEATHER. One of the most dependable in adverse, dry weather. Plants dwarf, short stemmed, larger than Early Snowball. Heads large, 6 to 7 inches across, commonly weigh 2 pounds. White with tinge of cream; of splendid quality.

EARLY SNOWBALL. The best for greenhouse forcing, early market and shipping. Plants very dwarf. Heads snow white; deep, smooth, compact; about 6 inches across, weight 1 1/2 to 2 pounds. The standard of excellence in cauliflower.



CELERY

$\frac{1}{4}$ oz. to 100 ft., 4 oz. per acre.

Sow from February to May in drills 1 foot apart. Later, usually in June, transplant to rows 3 feet apart and 6 inches apart in row. Rows should be furrowed out so plants may be set 6 inches deep. Later, soil may be banked against rows for blanching, even so-called self-blanching varieties needing the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce 5000 plants. Pkt. 10c.

GOLDEN UTAH CELERY. A light yellow-green selection of the original "Utah". Has superb quality and size of original, plus easier bleaching quality and more attractive sales appearance. An outstanding celery that merits your confidence.

GOLDEN YELLOW SELF-BLANCHING. Early and particularly desirable for home and market garden. Plants fairly tall and compact with firm stalks, 26 to 28 inches tall, which blanch readily and are of splendid quality.

UTAH JUMBO WINTER. A remarkable late celery of the finest quality. Plants sturdy, compact and solid. Very free from strings. Light green in color; nutty flavor.

CELERIAC

$\frac{1}{4}$ oz. to 100 ft., 4 oz. per acre.

Sow seed at the same season and give same treatment as common celery. Transplant to moist, rich soil, in rows 2 feet apart and 6 inches apart in row. Give thorough culture. It is not necessary to earth up or handle the plants. After the roots have attained a diameter of 2 inches, they are fit for use.

LARGE SMOOTH PRAGUE. An improved variety of turnip-rooted celery producing large tubers of nearly globular shape and comparatively smooth surface. Pkt. 10c.

CORN

Sweet corn, 8 oz. to 100 ft., 10 to 14 lbs. per acre.

Popcorn, 6 oz. to 100 ft., 6 to 8 lbs. per acre.

Plant in rich, warm soil, in hills 2 to 3 feet apart, in rows 3 feet apart for early kinds and 4 feet apart for late sorts. Make first sowing about the middle of May and continue fortnightly up to about the middle of July. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c.

CORN, EARLY SORTS

GOLDEN EARLY MARKET. One of the best extra early yellow varieties for home and market garden. Ears have strong husks and 8 to 12 beautiful tender rows to each ear. Kernels golden yellow, medium, sweet and of good flavor. Very prolific.

GOLDEN SUNSHINE. A very fine early variety. Good sized ears with 10 to 12 rows of medium broad, golden yellow kernels. Sweet and tender. Particularly desirable for market garden use.

INTERMEDIATE AND LATE SORTS

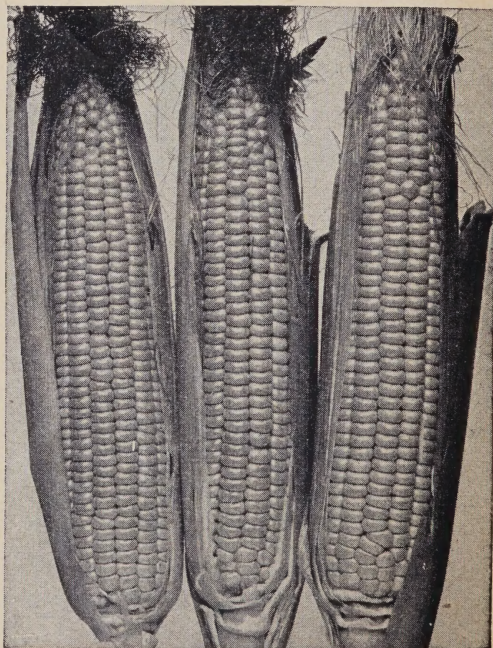
GOLDEN BANTAM IMPROVED. A selection from the original strain of Golden Bantam. Larger ears, more rows of kernels, greater production. Golden yellow, deep, wide, tender kernels with a fine, sweet flavor. Particularly desirable for canners and market gardeners. Remains in table condition a long time.

GOLDEN CROSS BANTAM. Very uniform in habit of growth, size, and maturity. The ears measure 8 inches long and they are closely set with 14 rows of light yellow grains filled with delicious sweet pulp. Bears two ears per plant. Pkt. 10c; $\frac{1}{2}$ lb. 30c; 1 lb. 50c.

GOLDEN GIANT. This is the giant among the yellow varieties with ears measuring 8 inches long. Matures its handsome ears about a week after Golden Bantam. Each cob is tightly set with 12 or 14 rows of sugary, creamy, yellow kernels covered by a thin tender skin.

MARCCROSS. Stalks short but sturdy, highly resistant to bacterial wilt. Ears long, plump, abruptly tapered at tips; 10-14 rowed, with light cream-yellow medium broad kernels of good quality. $\frac{1}{2}$ lb. 30c; 1 lb. 50c.

STOWELL'S EVERGREEN. One of the best late varieties. Large ears about 8 inches long. Kernels clear white, deep, rather broad, very sweet and tender. 16 to 20 rowed; uniform. Holds well in prime condition at eating stage. Stalk sturdy and erect. Highly desirable for home and market gardeners.



FIELD CORN

8 to 10 lbs. per acre.

Write for prices.

MINNESOTA "13" YELLOW DENT. An early maturing yellow dent corn that is a favorite in all the corn growing sections west of the Rockies. More of it is being grown than all other varieties combined. The stalks are of medium size, the ears 9 to 11 inches long.

IDAHYBRID 416. Grain type hybrid field corn. Develops few suckers, has a straight stiff stalk, ideal for mechanical pickers. Ears dry quickly and husk out easily. Exceptionally good yielder. Often used for ensilage as it will grow 10 to 11 feet high.



CUCUMBER

1 oz. to 100 ft., 3 to 4 lbs. per acre.

Sow outdoor varieties early in spring, in hotbeds, and transplant to open ground when weather is suitable. For later crop, sow seed when weather becomes settled, in hills 4 to 6 feet apart. They require a warm, rich soil, and should be watered liberally. **Pkt. 10c; oz. 25c; 1/4 lb. 75c.**

DAVIS PERFECT. (68 days.) A splendid dark green variety, excellent for slicing and a good shipper. Very dark green, white spined. The color is retained a long time when pickled. Tapered somewhat at both ends. Seeds few.

IMPROVED LONG GREEN. This is a great improvement over the old strain of Long Green. The fruits are unusually handsome, being of good form and of a deep green color, which is retained a considerable time after picking. 9 to 10 inches in length.

STRAIGHT-8. An outstanding new variety producing symmetrical, cylindrical fruits about 8 inches long and 1 1/2 inches in diameter. Fruits are well rounded at the ends and when ripe are deep green and free from objectionable striping or tipping. Ideal for home or market garden.

BOSTON OR CHICAGO PICKLING. An early pickling or slicing variety. Fruits weigh about 1 1/2 pounds, 6 inches long and 2 1/2 inches in diameter.

LEMON. The vines produce prolifically, dainty little cucumbers resembling lemons in both form and color and having a delicious and distinctive flavor. A popular variety for the home garden. Fine for preserves or sweet pickles and considered superb as a salad.

ENDIVE

1 oz. to 100 ft., 4 to 5 lbs. per acre.

Sow about the middle of April, in rows 1 1/2 feet apart, and thin to about 9 inches apart. **Pkt. 10c; oz. 30c.**

BROAD-LEAVED (ESCAROLLE). Leaves long, broad, and succulent. Fine for winter salads and cooking.

GREEN CURLED. Standard variety for fall and winter crop.

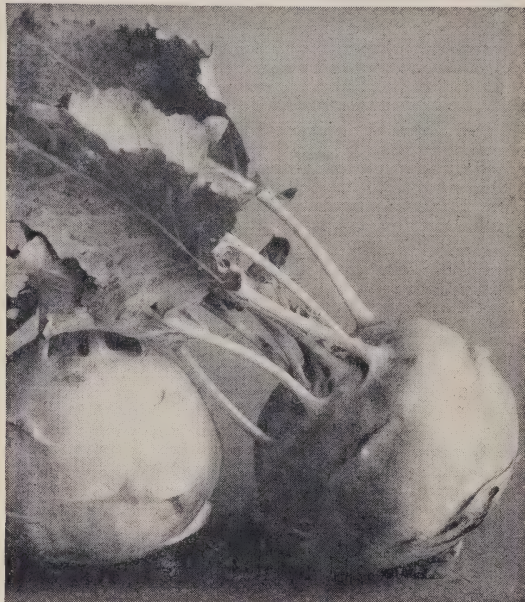
EGGPLANT

1/4 oz. to 100 ft., 5 to 6 oz. per acre.

Sow in mild heat, about the middle of March, and transplant on June 1, setting the plants 2 1/2 feet apart. **Pkt. 10c; oz. 65c.**

BLACK BEAUTY. The fruits of this variety are large and symmetrical. Retains its glossy black-purple coloring for a long time. This lasting quality makes it distinctly popular.

IMPROVED LARGE PURPLE. The standard home and market sort. Plants are large, 30 to 36 inches tall. Very productive, commonly bearing 4 to 6 or more large, handsome, dark purple, symmetrical, broad, egg-shaped fruits.



KOHL RABI

1/2 oz. to 100 ft., 4 to 5 lbs. per acre.

The delicious flavor of this turnip-shaped bulb combines both cabbage and turnip. As early in spring as possible, sow the seed in light rich soil in rows 1 1/2 feet apart. When plants are well established, thin to 6 inches apart in the row. **Pkt. 10c; oz. 50c.**

EARLY PURPLE VIENNA. Standard early sort. Plants small; leaves dark green and profuse purple staining. Bulbs flattened globe shape, best for use when 2 to 2 1/2 inches in diameter, but become larger; exterior purple; but flesh white; mild, crisp, and tender.

EARLY WHITE VIENNA. For forcing. The best table sort if used when the bulbs are 2 inches in diameter. It matures very early and produces medium sized, light green bulbs with white flesh of excellent quality.

KALE, Borecole

1 oz. to 100 ft., 4 to 5 lbs. per acre.

The culture is practically the same as that of late cabbage, but as the plants will withstand several degrees of frost they can grow late into the fall. Many think kale best after the first heavy frosts. **Pkt. 10c; oz. 40c; 1/4 lb. \$1.20.**

DWARF GREEN CURLED SCOTCH. Plants have wide-spreading, finely furled blue-green plume-like leaves. Relished as a vegetable green and useful as an ornament.

TALL GREEN CURLED SCOTCH. Hardy plants with leaves deeply cut. Curled at the edges, light green in color; very tender and finely flavored after touched with frost.

JERSEY OR THOUSAND HEADED. Called Chicken or Cow Kale. Vigorous branching plants with enormous cabbage-like leaves. Relished by poultry and livestock as winter greens.



Lettuce, New York Improved

LETTUCE

1/2 oz. to 100 ft., 3 lbs. per acre.

Sow the seed in hotbeds during February until the middle of March, afterward transplanting into flats or coldframes, leaving about 6 to 8 inches between the plants. As soon as weather becomes suitable, transfer to open ground and set out in rows 1 foot apart, leaving 9 inches between the plants in the rows.

HEAD LETTUCE

Pkt. 10c; 1 oz. 35c; 1/4 lb. \$1.00.

GREAT LAKES. (83 days.) A heading variety of the Imperial type developed by U. S. Department of Agriculture and Michigan Experiment Station. Leaves large and well folded; ribs heavy. Shows considerable resistance to tip-burn and ability to head under adverse conditions. Pkt. 15c.

IMPROVED HANSON. A very hardy lettuce, excellent for a summer crop as it withstands heat. Forms a large, light green head, which is very hard. An excellent variety for the home gardener for it is very sweet, crisp and tender.

NEW YORK NO. 515 IMPROVED. A development from Number 12, matures slightly earlier and should be grown where there is hot weather as it is resistant to tip-burn.

NEW YORK NO. 12. Small, extra early; crisp. Will withstand hot weather.

LEAF LETTUCE

Pkt. 10c; 1 oz. 25c; 1/4 lb. 65c.

GRAND RAPIDS. Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants large, upright, compact, and handsome; bright solid light green; leaves large, broad; margin much frilled; very tender and sweet when grown under glass.

OAK LEAF. Shaped like an oak leaf, deep green color. Stands up well in hot weather and does not turn bitter. Pkt. 15c.

RED LEAF PRIZE. An early non-heading sort, very desirable for home garden use. Plants of medium size, crisp and tender; color medium green with brownish-red edges on outer leaves.

SIMPSON'S EARLY CURLED. Widely used for home gardens. Early, hardy, and dependable; non-heading with large crumpled, frilled leaves, forming a compact bunch at center of plant. Light green in color. Tender and sweet.

CHICKEN LETTUCE. This is a non-heading lettuce, quite different from those used for human food. The plants grow 4 ft. tall before they run to seed. It is ready for cutting in 45 days after sowing. Planted extensively for feeding poultry and rabbits.

LEEK

Pkt. 10c; 1 oz. 70c.

LARGE AMERICAN FLAG. An early popular sort. Stems 8-10 inches long, 1 1/2 inches thick, white and attractive. Leaves large, medium green, drooping backward.

MUSKMELON

1 oz. to 100 ft., 3 to 4 lbs. per acre.

In sections where the summers are short, seed can be planted indoors or in hot beds in small boxes. The young plants can be transferred to the garden when danger of frost is past. If practicable, spade in a liberal forkful of well rotted manure at the bottom of each hill. The rows should be at least 6 feet apart and the hills 3 feet apart in the rows. In general, the culture is the same as that for cucumber. Pkt. 10c; 1 oz. 25c; 1 lb. \$2.00.

HEARTS OF GOLD. This popular medium sized melon follows the earlier varieties. It is fine to plant for succession as it ripens in about 100 days. The fruits are 5 to 6 inches in diameter. The smooth orange salmon flesh is exceptionally thick and fine flavored.

HALE'S BEST No. 45. The No. 45 is a true Hale's Best, mildew resistant. An early variety. Oval shape, medium sized melon with heavy net and a faint stripe. Flesh is deep salmon, thick, and firm with small seed cavity.

CASABA. The casaba is rapidly taking its place as a melon for the late season after the muskmelons are past. Fruits are medium, large, globe shaped, weigh 6 pounds, outer color golden yellow, surface wrinkled. Flesh white, luscious and spicy.

HONEY DEW. A very fine melon. Fruits large, globular, weigh 5 to 7 pounds. Surface is smooth, hard, with practically no netting, creamy white. Flesh is light emerald green, thick ripening to the rind; juicy and tender, with a distinct sweetness not found in other melons.



Striped Klondike Watermelon

WATERMELON

1 oz. to 100 ft., 3 to 4 lbs. per acre.

Rich, rather sandy soils produce the finest crops of watermelons, but a well-drained loam, especially with a southern exposure, is also suitable. Place 6 to 8 seeds in a circle in each hill, and cover 1/2 inch deep with fine soil. One ounce will plant 20 to 25 hills; 3 to 4 pounds per acre. Pkt. 10c; oz. 20c; 1 lb. \$1.25.

BLACK-SEEDED ICE CREAM. The melon is almost round, with a thin rind of medium green. The inside flesh is pink and exceptionally sweet and fine flavored. This variety matures early and is a fine keeper.

KLECKLEY SWEET. A medium size melon, rind very green and flesh deep red. Delicious flavor. An excellent melon for either home garden or shipping. Weights about 30 pounds.

KLONDIKE BLACK SEEDED. An early sort, a good shipper and popular in Western home gardens. Fruits oblong, slightly tapered, medium sized with slight ribs; rind medium hard. Flesh bright deep red, very sweet; unequaled eating quality.

STRIPED KLONDIKE. An early garden and shipping variety similar to the regular Klondike but with irregular dark green stripes. Fruits oblong, of medium size. Flesh the deepest red known to watermelons; sweet and crisp, seed small. Pkt. 10c; 1 oz. 30c.

MUSTARD

½ oz. to 100 ft., 4 lbs. per acre.

Seed may be sown from early spring to midsummer in rows 18 inches apart. Thin to 5 or 6 inches apart in the rows. The plants are in condition for use as soon as the leaves are the size of one's hand. Mustard runs to seed quickly, so that successive plantings are necessary for a continuous supply. Pkt. 10c; 1 oz. 20c.

SOUTHERN GIANT CURLED. The leaves are large, light green with a tinge of yellow, and much crumpled and frilled at the edges. The plant is upright or slightly spreading in growth. This variety is valued in the South on account of its vigorous growth, hardness, and good quality.



White Portugal Onion

ONIONS

½ oz. to 100 ft., 3 to 4 lbs. per acre.

As early as soil can be worked in spring, sow the seeds thinly in drills 1 foot apart, and cover lightly, later thinning out to about 6 inches apart in the row. The soil must be well fertilized and be made very friable. In hot weather, water frequently. Pkt. 10c; 1 oz. 75c.

CRYSTAL WAX BERMUDA. Medium size, pure, waxy white. One of the mildest sorts grown.

WHITE PORTUGAL, OR SILVERSKIN. A good second early white flat onion. It should be planted any time from November 1st until April 1st. It is good keeper and desired for shipping. Also very desirable for green bunching onions. Under good cultivation the average diameter is from 4 to 6 inches.

RIVERSIDE SWEET SPANISH. A large, globe shaped brown onion, weighing 1 to 3 pounds. Small tops. Flesh mild and sweet. Good for slicing. Most popular market onion.

YELLOW GLOBE DANVERS. An outstanding variety, dependable cropper, medium late, hardy, and excellent keeper; used for shipping and storage. Bulbs medium size, spherical, clear yellow, firm and solid and tough, clinging skin. Flesh white with slight yellow tone.

ONION SETS. Sets are Northern grown, hardy, carefully cleaned, sized and packed. Produced for Western conditions. Plant onion sets deep for green onions and shallow for dry onions. 35c lb. postpaid.

1 qt. to 100 ft., 12 bushels per acre.

OKRA or GUMBO

2 oz. to 100 ft., 8 to 10 lbs. per acre.

Sow seed early in May, in rows 3 feet apart and 2 inches deep. As plants appear, thin out to about 1 foot apart. Pkt. 10c; oz. 20c.

PERKIN'S MAMMOTH LONG POD. Standard medium early sort for home, market garden and canning. Plants 4 to 5 feet tall; pods dark green, fleshy, tender; become 7 to 8 inches long, 1½ inches in diameter. Distinctly ribbed and tapered.

PEAS

1½ lbs. to 100 ft., 90 to 180 lbs. per acre.

For first crop, round seeded peas should be sown in the open ground as soon as it is fit to be worked; wrinkled varieties should be planted 2 to 3 weeks later. Frequent planting for succession, and a careful selection of varieties, will give an almost continuous crop of peas from June until frost. Sow peas in rows 3 feet apart and 1 to 2 inches deep. Rotted horse manure and wood ashes should be freely used in the preparation of soil for pea growing. Pkt. 10c; ½ lb. 20c; 1 lb. 35c.

FIRST EARLY VARIETIES

AMERICAN WONDER or NOTT'S EXCELSIOR. Important early dwarf variety for the home garden. Vines 12 to 14 inches tall, dark green, very productive. Pods medium green, 3 inches long, plump and straight, blunt; seeds medium small, squarish, wrinkled, green; interior green.

ALASKA. This variety is extremely early. The round pods, 2½ inches long, contain 5 to 8 peas, which are ready to use in about 55 days. The peas are small, round and tender. The vines are 2½ to 3 feet tall.

GRADUS, OR PROSPERITY. A very popular second early, large podded variety for home use and market. Vines 36 inches tall, medium green, stocky. Pods single, broad, plump, pointed, medium green; contain 8 to 10 large, sweet, delicious peas.

LAXTON'S PROGRESS OR BLUE BANTAM. A little earlier than other dwarf large podded peas, this variety is generally considered the best of its class. The blue-green pods are often more than 4 inches long and contain 8 dark green peas of finest quality. The seeds are large, wrinkled, green and cream in color.

LITTLE MARVEL. Outstanding among dwarf peas on account of its exceptional quality and yield. Valuable for home garden and early market. Vines dark green, 18 inches tall, stocky. Pods single and double, dark green, blunt, plump, well filled with 7 to 8 tender peas.



LATE VARIETIES

TALL TELEPHONE OR ALDERMAN. A handsome, large podded variety. Unexcelled for home gardens, for local markets and for shipping. Bears immense crops; wilt resistant. Pods single, very broad, plump, straight dark green, pointed, contain 8 to 10 peas of highest quality.

DWARF TELEPHONE. Only about 2 feet tall. Resembles Telephone, and the pods are well filled with peas of the same good quality. It is an excellent variety to follow the early peas in the home garden. Seeds large, wrinkled, green.



PARSNIP

1 oz. to 100 ft., 3 to 4 lbs. per acre.

Sow the seed as soon as season will permit, in drills about 2 feet apart, and thin plants out to 1 foot apart in the row. The ground should be deeply trenched and well manured. Pkt. 10c; oz. 20c; 1 lb. \$1.50.

HOLLOW CROWN, THICK SHOULDER. This is the best and most popular variety in cultivation. The skin is smooth and white, while the flesh is tender. The roots grow 18 to 20 inches in length, but the first 8 inches from the top is the best part.

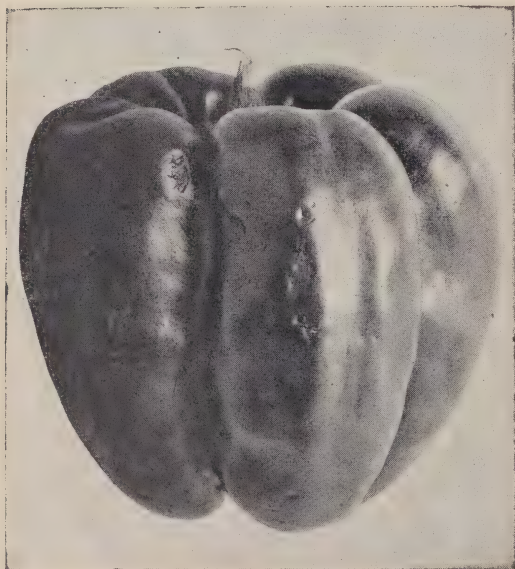
HARRIS MODEL. Very smooth and white and quite free from small roots and prongs. Medium length. Fine for home gardens.

PARSLEY

1/2 oz. to 100 ft., 3 to 4 lbs. per acre.

Parsley seed is even slower than parsnip in germinating. It grows best in rich mellow soil and should be sown as early as possible in spring in rows 1 to 2 feet apart with a covering of not more than 1/2 inch of soil firmly pressed down. When the plants are well up, thin them 8 to 18 inches apart in the row. Pkt. 10c; oz. 20c.

EXTRA TRIPLE CURLED (MOSS CURLED). This vigorous, compact grower is one of the most popular varieties because of its deep green color and tightly curled leaves that look like moss. It is unusually decorative for table use.



PUMPKIN

4 oz. to 100 ft., 3 to 4 lbs. per acre.

Pumpkins are typically American and pumpkin pie is one of our truly American dishes. They are less sensitive to unfavorable conditions of soil and weather than melons or cucumbers, but they are cultivated in about the same way. Pkt. 10c; 1 oz. 20c; 1/4 lb. 50c; 1 lb. \$1.50.

KENTUCKY FIELD or DICKENSON. Fruits very large, flattened, furrowed. Skin creamy buff; flesh extremely thick, deep salmon-yellow and of good quality. Dependably early and heavily productive. Good for canning.

SWEET OR SUGAR. A small handsome variety, and very popular. The skin is a deep orange yellow. Flesh fine grained and sweet in taste. Famous in Boston as a pie pumpkin. It sells better on our local market than any other variety except the Jack o' Lantern at Hallowe'en time.

WINTER LUXURY. This variety is very popular for the home garden. The fruit matures in 75 to 80 days, weighs 8 1/2 pounds, and is nearly round. The skin is light yellow with a russet tinge and finely netted; the flesh is rich creamy yellow, very thick, sweet, and finely flavored.



PEPPER

1/4 oz. to 100 ft., 1 to 2 lbs. per acre.

Culture and soil and temperature requirements are about the same as for eggplant. A moderate dressing of guano, poultry manure, or complete commercial fertilizer, hoed into the soil after the plants are 6 to 8 inches tall, will be very beneficial. Pkt. 10c; 1 oz. 90c.

CALIFORNIA WONDER. Thickness of flesh alone, which is often 3/8 of an inch, places this sweet pepper above all others. It is crisp and juicy, too, without a trace of pungency. Vigorous growing plants bear a heavy yield of blocky fruits that become as much as 5 inches long and 4 inches wide.

LARGE BELL OR BULLNOSE. A popular, early, sweet prolific sort, with small, erect plants. Fruits blunt; flesh fine quality and mild flavor. Much used for stuffing.

LONG RED CAYENNE. This well-known, medium early pepper is especially good for drying purposes. The fruit is 4 inches long and 1 inch thick, twisted and pointed. It is deep green when young and bright red when ripe. The flesh is strong and pungent.

SUNNYBROOK PIMIENTO. A splendid canning variety, adapted to home and market garden culture. Plants large, erect, prolific. Fruits heart-shaped, very smooth; flesh exceptionally thick, sweet and mild.



RADISH

1 oz. to 100 ft., 10 to 12 lbs. per acre.

For an early crop, sow in hotbed in January, February and March. As soon as ground is fit to be worked, sow seed in the open, in rows 1 foot apart. Pkt. 10c; 1 oz. 20c; ¼ lb. 40c.

EARLY SCARLET GLOBE. The earliest of all forcing radishes grown for market. Globular, uniform size, bright scarlet, white flesh, crisp and tender.

EARLY SCARLET TURNIP—WHITE TIP. This variety grows very quickly and is ready for picking in 25 to 30 days. Scarlet in color, turnip shaped, very crisp and of excellent flavor. One of the best varieties for the home gardener.

CRIMSON GIANT. A favorite with home gardeners. Large globular root, 1 to 1½ inches in diameter, deep crimson, flesh firm.

FRENCH BREAKFAST. A splendid variety for home use; oblong, bright scarlet, white tip. Grows about 1½ inches long and ⅝ inch thick.

LONG WHITE ICICLE. Long slender roots which remain tender and crisp until grown. Matures early; has small top, which permits close planting.

WINTER VARIETIES

BLACK SPANISH LONG OR ROUND. A hardy, large rather pungent variety for winter use. Keeps unusually well; is 8 to 9 inches long and 2 inches thick, slightly tapered. The skin is black and flesh white and crisp. Round, about 4 inches in diameter.

CHINA ROSE WINTER. A large rose colored variety from the Orient. Hardy and rather mild. The flesh is white, and very crisp. This variety is broadest at its base and is 4 to 5 inches long.

RUTABAGA, Swedish Turnip

1 oz. to 100 ft., 2 to 4 lbs. per acre.

The culture is the same as for common turnip, but if anything, less exacting in care. Pkt. 10c; oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.

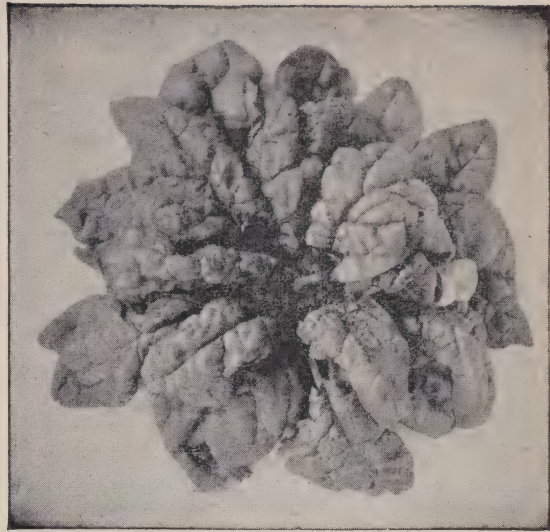
IMPROVED AMERICAN PURPLE TOP. The old, popular standard sort both for stock feeding and table use. Flesh yellow, solid and sweet. Is globe shaped, of large size, of fine quality.

SALSIFY, Vegetable Oyster

1½ oz. to 100 ft., 7 to 8 lbs. per acre.

The roots have a flavor like oysters. Succeeds best in a light, well enriched soil. Avoid coarse and fresh manure, as it will cause irregular and branched roots. Sow early and quite deep, giving the culture recommended for parsnip.

MAMMOTH SANDWICH ISLAND. Large and strong growing with long, smooth, white, tapering roots less likely to branch than those of other sorts. Pkt. 10c; 1 oz. 50c.



SPINACH

1½ oz. to 100 ft., 10 to 20 lbs. per acre.

Sow in rows 16 to 20 inches apart and thin to 6 inches apart in the row when leaves are an inch wide. In the North, seed can be planted as soon as the ground can be prepared. In the South spinach will winter over with little or no protection. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. 80c.

IMPROVED THICK LEAF. The seed of this thick leaved variety produces the largest spinach. The leaves grow rapidly and remain in good condition a long time. The medium green leaves are large, rounded, slightly crumpled, succulent, and tender. It is an excellent home garden spinach.

KING OF DENMARK. One of the longest standing varieties and valuable for home and market use. Dark green leaves are smooth, oval in shape and have rounded points.

NEW ZEALAND. Although not a true spinach, the leaves look like spinach and are very useful as greens. On soils too poor to grow spinach successfully, the plants thrive and produce groups of small fleshy leaves that are tender and delicious when cooked. Each branch of the plant produces others, so that it goes on providing a continuous supply of greens throughout the summer. Pkt. 10c; oz. 25c; ¼ lb. 75c.



SQUASH

Vining, 1 oz. to 100 ft., 4 lbs. per acre.
Bush, 1 oz. to 100 ft., 4 to 6 lbs. per acre.

Sow about the middle of May, in hills 4 feet apart for bush varieties, and 10 feet apart for the running sorts. Put 12 to 15 seeds in each hill; afterward thin out, leaving 3 or 4 of the best plants. Pkt. 10c; oz. 20c; ¼ lb. 60c.

ZUCCHINI OR ITALIAN. The favorite Italian squash. It should be eaten when quite young, 4 to 6 inches long. It is a delicious summer variety; do not hesitate to plant it. It is very prolific; a few hills will suffice to keep the family well supplied the entire summer.

BLACK ZUCCHINI. Considered by many to be a better variety than the older type. Similar in all respects but dark green, smooth and cylindrical, without striping or mottling.

SQUASH (Continued)

BANANA. Smooth gray-light orange, fine-grained flesh, firm and solid and free from stringiness or fiber.

EARLY SUMMER CROOKNECK. Very early, 60 to 65 days. The bushy plant is very productive of attractive fruits, weighing about 2 pounds. The skin is distinctly warted and bears a bright yellow color, while the flesh is pale cream, firm and tender. A very good sort for home planting.

GOLDEN DELICIOUS. Most desirable squash, top-shaped and medium sized, with orange skin and thick, fine grained sweet and dry flesh. Fruits weigh about 7 lbs.

GOLDEN HUBBARD. A very good variety of medium size; weight about 8 pounds. An excellent keeper on account of its thick rind, which is of a beautiful golden color.

IMPROVED HUBBARD. Large and warty Hubbard type. Shell dark green, hard, moderately warted. Flesh light orange, very dry and richly flavored. One of the best winter squashes.

UMATILLA MARBLEHEAD. Thick meated squash. Large, slate colored variety. Yields heavy.

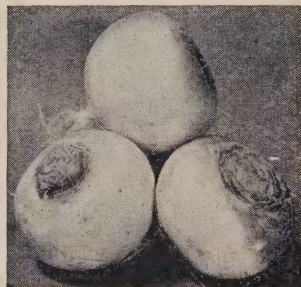
TABLE QUEEN OR DANISH. Small, dark, green, acorn shape. Flesh rich yellow, dry, richly flavored. Medium early. A good keeper. Easy to grow.

WHITE BUSH SCALLOP. A popular variety bearing profusely small, rather flat white squashes with a distinct scalloped edge. Is very early and has a fine flavor.

JOHN BAER. A superb variety excellent for local markets and canning. Fruits medium size, smooth, semi-globular, deep scarlet. Perhaps the most extensively grown tomato in the Inland Empire.

GROUND CHERRY OR HUSK TOMATO. Fruits small, yellow, enclosed in loose paper husks. Very much prized for preserving. Pkt. 10c; 1 oz. \$1.00.

YELLOW PEAR. Enormously productive. Fine for salads or marmalade. Sweet and delicious. Small, yellow, pear-shaped fruits of exceedingly mild and pleasing flavor. Pkt. 10c; 1 oz. \$1.00.



TURNIP

1 oz. to 100 ft., 2 to 3 lbs. per acre.

For main crop, sow in open ground from May to July; for winter use, during July and August. Set out in rows 1 1/2 feet apart, allowing a space of 6 inches between the plants.

Pkt. 10c; 1 oz. 20c; 1/4 lb. 35c; 1 lb. \$1.00.

GOLDEN BALL OR ORANGE JELLY. A splendid variety for table use; of excellent flavor. Tops small, cut leaved. Roots globular, commonly 4 inches in diameter. Skin smooth, orange-yellow; flesh yellow, firm, fine grained and of good quality. Rapid grower. Plant during cooler months only. Table size in 60 days.

PURPLE TOP STRAP LEAF. A medium early, very productive variety. Tops medium small, upright, strap-leaved. Roots flat, purple red at the top, white below; flesh white, fine grained and tender.

PURPLE TOP WHITE GLOBE. This variety may be grown to quite a large size without developing signs of coarseness. It is of spherical shape with white skin, the upper one-third being colored reddish purple. Flesh pure white, firm, fine grained and of superior flavor. Good keeper. Fine for table use and stock feeding.

SNOWBALL. A desirable sort for home use and early markets. Tops small and erect. Roots medium sized, round, white throughout, crisp, sweet and tender.

YELLOW ABERDEEN. Excellent for winter use. Cut leaved, globular, quite smooth; color purple top, yellow below; flesh firm, tender, light yellow.

COW HORN. This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop.



Marglobe

TOMATO

1/8 oz. to 100 ft., 2 oz. per acre.

In February or March sow seeds lightly in rows in greenhouse, hotbed, or window box, and when plants have reached a height of 3 inches, transplant in hotbeds. About June 1, set out in open ground, 4 feet apart, giving plenty of well rotted manure to each plant. Water freely during hot weather. To obtain the best results, trellises or stakes should be used. Pkt. 10c, 1 oz. 70c; 1/4 lb. \$1.90.

BONNY BEST. One of the very best early varieties for table and canning. Vine medium, not very hardy. Fruits medium sized, apple shaped, smooth, solid, bright scarlet in color, of excellent quality.

IMPROVED EARLIANA. One of the earliest scarlet fruited varieties. Medium size, almost seedless and solid. Vine open and spreading. A heavy bearer. Succeeds everywhere.

MARGLOBE. The best general purpose tomato recently introduced. Excellent home garden variety and particularly valuable for shipping. Plants thrifty and heavily productive and of long bearing period. Fruits uniform open scarlet; large; uniformly globe shaped; smooth, solid, and of distinct quality.

STOKESDALE. (73 days.) Produces heavy crops. Almost free of stem-end crack. Slightly earlier and larger than Marglobe.

PRITCHARD (SCARLET TOPPER). Wilt resistant, of the type of plant known as self-topping or self-pruning. Mid-season to late and a heavy topper. Fruit globe shaped, deep scarlet, smooth and solid. A good home and market variety and very popular for shipping. 80 to 85 days.

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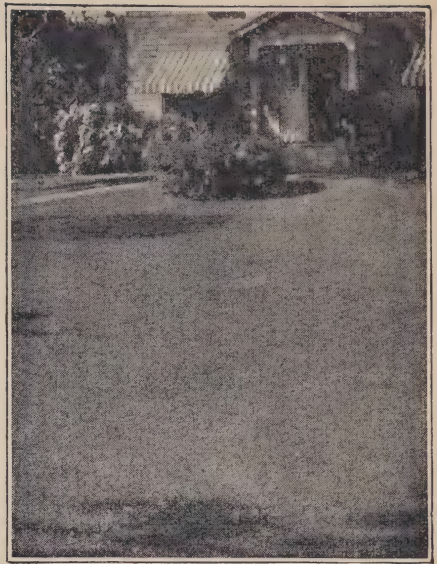
Stop the shock and wilt usually inevitable after transplanting all kinds of plants. Simple, Safe, Economical to use. 1/2 oz. packet 25c, 1 oz. can 50c, 3 oz. can \$1.00, 1 lb. can \$4.00.

LAWN GRASS SEED

DUTHIE SPECIAL LAWN MIXTURE

The Best All-Purpose Lawn Grass Seed. Lb. 85c.

A wonderful mixture resulting from years of experience. It is especially prepared by us from the highest quality seeds produced. It makes a smooth, green, velvety lawn with a thick bottom, free from common grasses which are inclined to produce clumps or knots. Only the very finest varieties of the most suitable grasses for making an even, thick mass are used in this mixture. The various grasses composing this well-balanced blend are fine-bladed and deep rooting, sure to produce the best results under our conditions of soil and climate. It is all plump, heavy seed, free from chaff or weed seeds. Sow one pound for a plot 10 by 20 ft. (200 sq. ft.); 100 to 150 lbs. of seed are required to sow one acre.



ENQUIRE FOR PRICES ON LAWN SEEDS LISTED BELOW

ASTORIA BENT. This strain of Bent differs from the Seaside variety in that it does not send out stolens, but it spreads underground, sending up many rootstalks that produce a splendid turf. The growth is upright, of fine texture and is a richer green than Seaside Bent. It is more practical for lawns and succeeds best in heavy soils. Sow 1 pound to 600 square feet.

CHEWINGS FESCUE. Used extensively on putting greens, fairways and tees on golf courses, and does well on any kind of soil. It also produces a stiff, upright plant. Sow 1 pound to 400 square feet.

KENTUCKY BLUE GRASS. Makes an excellent lawn of dark green color. It forms a fine mat. With care and water makes one of the best lawns. Sow 1 pound to 300 square feet.

SHADY LAWN MIXTURE. This grass is especially adapted for growing in very shady places or near buildings where other grasses will not grow. If you have a shady, barren place, try our Shady Lawn Mixture. Sow 1 pound to 400 square feet.

WHITE DWARF CLOVER. Very low growing sort, principally used in poor ground to give a green color. Many like it in lawns, especially where grass does not do well. Sow 1 pound to 300 square feet.

RYE GRASS. A rapid growing grass where quick results are required. It is coarser than Kentucky Blue Grass and thrives in poor soil. It is used as a "nurse" crop in mixtures to keep the lawn green while the better, slow-growing varieties are becoming established. Sow 1 pound to 200 square feet.

RED TOP. A fine-bladed grass that succeeds on almost any soil, although it does best under moist conditions. It is used in almost all lawn mixtures. Should not be planted by itself unless specifically recommended. Sow 1 pound to 200 square feet.

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A new revised edition of Mr. Cecil Solly's popular book. Contains 144 pages of practical information on gardening. How to grow, sorts to use, control of pests and diseases, hotbeds, cold frames, use of land and other vital subjects for the amateur or professional gardener. Well illustrated with cuts and diagrams.

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ANNUAL AND PERENNIAL FLOWER SEEDS

AGERATUM (a)

Popular annual plants producing fluffy blue flowers all summer. The dwarf stature and compact habit permit its use as an edging plant or in the rockery where it will flourish in any soil. Sun or partial shade.

BLUE BALL. Compact, round plants, 6 inches tall, hidden by a mass of pure blue flowers. Fine for dwarf beds and edging. **Pkt. 15c.**

MIDGET BLUE. Silver Medal, All-America Selections, 1940. A very fine dwarf (2 to 3 inches high) Ageratum with delicate foliage, practically smothered with Ageratum Blue flowers. **Pkt. 25c.**



Aster, Light Blue

ALYSSUM, Madwort

One of the most popular garden flowers, remaining in bloom the entire season; suitable for beds and edging in summer, or for growing in pots and boxes for winter blooming.

CARPET OF SNOW (ra). White flowers on plants only 3 inches tall. Rapidly becoming a favorite variety. **Pkt. 10c.**

SAXATILE COMPACTUM. Perennial. Sometimes called Basket of Gold. It grows compactly and is covered with a wealth of golden blossoms in early spring. Height 12 in. **Pkt. 10c.**

VIOLET QUEEN (a). Dwarf, compact plants of small, sweetly scented flowers of a very rich deep shade of violet. Neat in habit and free flowering. Violet Queen will unquestionably be one of the leading novelties. **Pkt. 15c.**

ANCHUSA, Summer Forget-me-not (a)

A free-flowering plant, producing its charming Forget-me-not-like flowers in graceful sprays from early summer until late fall.

BLUE BIRD. Deep blue flowers on plants 18 inches tall. **Pkt. 10c.**

ANTIRRHINUM (See Snapdragon)

ARCTOTIS HYBRIDS, AUTUMN SHADES (a)

A gay and cheerful member of the daisy family. Dozens of blossoms open at a time, commencing to bloom in early spring. Many shades of red, orange, yellow, typical autumn tones. Foliage is a soft gray-green with slender wavy edged leaves.

MIXED. **Pkt. 10c.**

ASTER (a)

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July until September this flower reigns supreme in the garden, unequalled by any other. For this reason we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. To do well, Asters require a soil kept open by continuous cultivation. Height, 1 to 3 feet.

IMPROVED GIANTS OF CALIFORNIA. This Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type Aster, stands at the head of the list. **Finest Mixed.** **Pkt. 15c.**

ASTER, SUPER GIANT EL MONTE. Deep glowing crimson, composed of abundant quantities of daintily interlaced plume-like petals, the flowers are extremely large and fluffy, borne on heavy non-lateral, basal branched stems. **Pkt. 15c.**

ASTER, SUPER GIANT LOS ANGELES. The flowers are fully double, 6 to 8 inches across, graceful and delicately interlaced. Long, stiff stems, bearing the large shell pink flowers smartly upright. **Pkt. 15c.**

ASTER, WILT-RESISTANT, PRINCESS ANNE. The blooms have a full crested center surrounded by several rows of strong guard petals of the well known Peach Blossom shade, opening delicate pink and turning rose pink as the flower matures. The plants are from 18 to 20 inches in height; the stems are strong, of good length and the plants are very free blooming. Very early. **Pkt. 15c.**

ASTER, WILT-RESISTANT, PRINCESS BONNIE. A very beautiful soft salmon rose shade with the center rich gold while opening. The large blooms are freely produced on long stemmed plants which remain in good condition for two weeks or more. **Pkt. 15c.**

ASTER, WILT-RESISTANT, PRINCESS MARSHA. Vibrant cinnabar scarlet boldly contrasts with the rich gold center of the young flowers. As the blooms open the golden center turns to silvery cinnabar. The flowers, full crested in the center; three to three and one-half inches in diameter. **Pkt. 15c.**

IMPROVED CREGO WILT RESISTANT. The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong, heavily branched and grow about 2½ feet in height.

Blue Flame. Bright navy blue. **Pkt. 10c.**

Cattleya. A fascinating shade of orchid. **Pkt. 10c.**

Crimson. Glowing deep rose-crimson. **Pkt. 10c.**

Purple. Showy violet purple. **Pkt. 10c.**

Peach Blossom. Opens white with a flush of lavender-pink. **Pkt. 10c.**

Rose. Lovely bright carmine rose. **Pkt. 10c.**

White. Purest white, large and fluffy. **Pkt. 10c.**

Crego's Finest Mixed. **Pkt. 10c.**

SUNSHINE ASTERS. These are the aristocrats of the Aster family. The flowers are 4 to 5 inches across, being a single row of loosely placed outer petals, enhanced by a cushion center of tiny quills in contrasting colors. **Mixture 15c.**



Annual Baby's Breath

BABY'S BREATH, *Gypsophila*

Pretty, free-flowering annuals and perennials. Their misty white panicles are largely used for mixing with other cut flowers. Height, 1 to 3 feet.

ELEGANS GRANDIFLORA. (a) London Market Improved. An improved annual strain with single large pure white flowers. Sow at intervals for a supply of flowers throughout the summer. Height, 2 feet. **Pkt. 10c.**

BACHELOR'S BUTTON or CORN- FLOWER, *Centaurea*

Particularly well adapted for border planting. The types cultivated for their flowers have bulging calyxes from which many finely cut petals expand. Of easy culture from seed.

CORNFLOWER, JUBILEE GEM. A dwarf variety making a compact plant literally covered with flowers. About 12 inches in height. Easy to grow. Admirable as a border plant. A fine cut flower. It may be sown outside in the autumn for spring flowering, or in the spring for summer flowering. **Pkt. 15c.**

CYANUS DOUBLE (a) (Bachelor Button). This superb class of Cornflowers produces handsome, large double blooms, effective out-of-doors and in bouquets. Height, 2 to 3 feet.

Blue Boy, pkt. 10c.

Rose, pkt. 10c.

Mixed, pkt. 10c.

BALSAM, Lady Slipper (a)

An old and popular garden flower of easy culture. Gorgeous masses of brilliant colored double flowers are produced in the greatest profusion. Height, 2 feet.

CAMELLIA FLOWERED. Finest mixed. **Pkt. 10c.**

BEAN (a)

A rapid climber, flowering profusely; grows 10 to 15 feet high.

SCARLET RUNNER. **Pkt. 10c.**



Blue Fern Flower

BLACK-EYED SUSAN, *Thunbergia* (ac)

Beautiful, rapid-growing annual climber, preferring a warm, sunny situation; used extensively for hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes. Height, 4 feet.

ALATA. Finest mixed. **Pkt. 10c.**

BLUE FERN FLOWER, *Nierembergia*

PURPLE ROBE. Bronze Medal, All-America Selections, 1942. Very dwarf, cushion-like plant, surmounted with flowers of deep or violet-blue. It stays in bloom over a long period and with a colorful blanket of bloom. A grand border and edging subject; about 6 inches tall. **Pkt. 25c.**

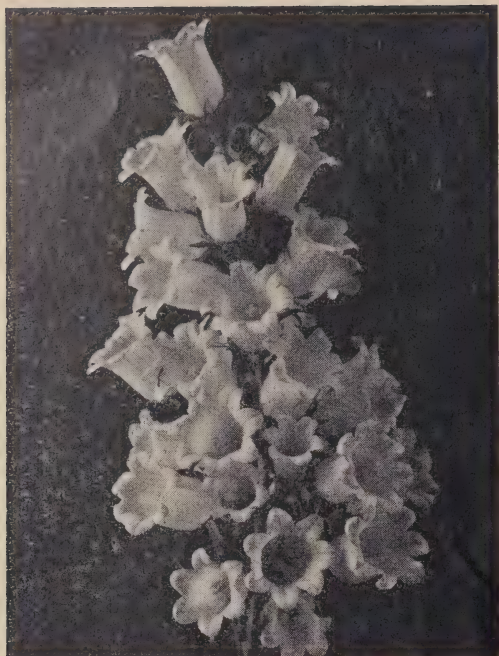
BUTTERFLY FLOWER, *Schizanthus* (a)

One of our finest hardy annuals. Of easy culture in any good garden soil. Showy flowers of various colors, closely resembling some species of orchids. Useful as pot plant for late winter and spring; for this purpose sow in autumn.

BUTTERFLY MIXTURE. Fine bright mixture, free flowering, compact pyramidal plants, 12 to 15 inches. **Pkt. 10c.**



Cornflower, Jubilee Gem



Canterbury Bells

CALENDULA, Pot Marigold (a)

Colorful flowers making a wonderful display in the garden. Always admired by those who see them. Blooms freely in early summer and continues into the fall. Even though this plant prefers a sunny location and rather dry soil, it does well under widely different conditions, requiring little care to grow to perfection. 18 to 24 inches in height.

CAMPFIRE IMPROVED. A very deep strong orange with distinct scarlet sheen on upper side of each petal. Blooms flat across top and measures 4 inches in diameter. Plants are strong growing and even in habit. **Pkt. 15c.**

NEW SUNSHINE CALEDULA, CHRYSANTHA. A clear, buttercup yellow in color with loosely arranged petals, incurved at center and reflexed at edges. Flowers mounted on strong, wiry stems a foot in length; excellent for cutting. **Pkt. 10c.**

DOUBLE MIXED. **Pkt. 10c.**

ORANGE BEAUTY CALEDULA

Blooms are large, measuring 3½ inches across and more, of curved loose petal formation, and freely borne on long stems. The color is a bright deep orange, the inner petals curling over the lighter colored center. **Pkt. 25c.**

CALIFORNIA POPPY (See Poppy)

CALLIOPSIS, Tickseed (a)

Very showy and splendid subjects for garden decoration as well as for cutting. Sow seed where intended to bloom in early spring; thin out to 6 inches apart. Cut flowers as they open and prolong the blooming season until autumn. Height, ½ to 2½ feet.

GOLDEN CROWN. Silver Medal, All-America Selections 1938. An enlarged Drummond. A rich orange-yellow or gold of pleasing fragrance. Makes a good cut flower with 12-inch wiry stems. **Pkt. 15c.**

Tall Mixed. **Pkt. 10c.**



Calendula, Orange Fantasy

CANDYTUFT (a)

Valuable for masses and edging, and considered indispensable for cutting. Seed sown in April flowers in June, successive sowings should be made at intervals. Hardy and easy to grow, blooming profusely. Height, 1 foot.

GIANT WHITE HYACINTH FLOWERED. Very fine for cutting. **Pkt. 10c.**

UMBELLATA. Mixed. **Pkt. 10c.**

CANTERBURY BELLS, Campanula

CALYCANTHEMA. (b) (Cup and Saucer). Perhaps the most beautiful type; distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer.

Finest Mixed. **Pkt. 15c.**

CARDINAL CLIMBER (ac)

Graceful climber with cardinal-scarlet blooms 1 to 1½ inches in diameter. Rich, glossy, dark green foliage. Grows 15 feet tall and is in bloom all summer.

IPOMOEA CARDINALIS. **Pkt. 25c.**

CARNATION, Dianthus Caryophyllus (p)

Few flowers surpass in beauty of form or delicious fragrance, the richly hued Carnation. The plants are branching but compact, and the handsome blossoms are produced on blue-green stems that are stiff but slender. The double flowers with their thick waxy petals are spicily scented.

CHABAUD GIANT. 18 inches. This variety blooms six months after seeding and continues throughout the summer. The plants, robust and erect, supply handsome, double, clove-scented flowers of extra large size. **Mixed.** **Pkt. 15c.**

CASTOR BEAN, Ricinus (a)

Magnificent, tall, large-leaved plants of tropical appearance, succeeding in a warm, sunny location. Beautiful for large foliage groups and background. Height, 10 to 12 ft. **MIXED VARIETIES.** **Pkt. 10c.**

CLARKIA (a)

An annual, flowering in July, which should be far more widely known. It is of easy culture, graceful in habit of growth, and lends itself as well to bedding as for cutting. Flowers in long racemes which open in water when cut.

ELEGANS. Double. Choice mixed. Height, 2 ft. **Pkt. 10c.**

CLEOME, PINK QUEEN

Silver Medal, All-America Selections, 1942

A tall and attractive border plant with huge heads of delightful and refreshing pink without a trace of blue or magenta. It is never out of bloom. A grand flower, well branched, airy foliage. 3 ft. Pkt. 25c.

COCKSCOMB, Celosia (a)

Very attractive and showy, somewhat tender annual, producing massive heads in rich shades of crimson and yellow flowers. Should be started in hot beds and transplanted to rich soil after warm weather comes. Set plants a foot or more apart.

CRISTATA. Choice mixed; height, 9 to 18 inches. Pkt. 10c.

PLUMOSA (Improved Feather Type). Choice mixed; height, 2 feet. Pkt. 10c.

COLUMBINE, Aquilegia (p)

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the fern-like foliage.

MRS. SCOTT ELLIOTT'S STRAIN. One of the finest tall strains ever developed, long-spurred, large flowers, in a splendid mixture of colors. Pkt. 25c.

COREOPSIS (p)

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting. Height, 3 feet.

GRANDIFLORA DOUBLE SUNBURST. Much of the beauty of early summer gardens is due to the brilliant golden yellow of Coreopsis plantings. The double flowers are large, 1½ to 2 inches across, deep golden yellow, and are excellent for cutting as well as for garden decoration. Fine keepers; plants are easy to grow. Pkt. 15c.

COSMOS (a)

No garden is complete without Cosmos. These old favorites supply a gorgeous, colorful effect during late summer and fall. Fine for cutting as the flowers last well in water, Cosmos are easy to grow.

PINKIE. Flowers very large, as much as 5 inches in diameter, with broad, heavy fluted petals slightly overlapped. Ideal for cut flowers. Sturdy plants 3 to 4 feet high, producing flowers 8 to 10 weeks from seed. Pkt. 10c.

PURITY. Purity is the glistening white Cosmos in the Sensation type as Pinkie is the delightful rose-pink shade. Pkt. 10c.

SENSATION DAZZLER

Honorable Mention, All America Selections, 1943

A new shade has been added to the popular Sensation type of Cosmos. Dazzler is a luscious shade of rich deep velvety maroon. The flowers are immense, four inches across, with broad heavy fluted petals. Excellent for cutting. Plants are sturdy and stand erect. Pkt. 25c.

SENSATION MIXED. Pkt. 10c.



Cleome, Pink Queen

EARLY KLONDYKE ORANGE FLARE. Grand Champion Gold Medal, All-America Selections, 1935. The long stemmed flowers of bright vivid orange are freely borne on 2 to 3 foot plants. Its most remarkable feature, however, is its early blooming habit. It blooms from mid-summer until frost. Pkt. 10c.

EARLY KLONDYKE ORANGE RUFFLES. A form of the very popular Cosmos Orange Flare. The extra two or three rows of petals add immensely to the butterfly-like beauty of the richly colored orange bloom. Flowers continuously throughout the summer. Pkt. 15c.

EARLY DOUBLE CRESTED. Showy plants, 3 to 4 feet tall, covered with a mass of lovely, large flowers. Our strain produces a large percentage of double blooms.

Mixed. Pkt. 15c.

DAHLIAS (From Seed) (rp)

IMPROVED UNWIN'S DWARF HYBRIDS. These double and semi-double dahlias are one of England's best contributions to the flower world. They grow from 18 inches to 2 feet tall and come in many delightful shades. Plants are compact and as easy to grow as zinnias. Blooms the entire summer.

Mixed Colors. Pkt. 25c.

DAISIES

AFRICAN GOLDEN DAISY, Dimorphotheca (a)

The plants are of branching habit, growing about 15 inches high. An easily cultivated annual.

Aurantiaca Hybrids. The flowers are equally large, but vary in color from the purest white to yellow, orange and rich salmon shades, many being zoned with several of these colors around the black disk. Pkt. 10c.

PAINTED DAISY, Pyrethrum (p)

This plant is cousin to the Chrysanthemum and Matricaria and should play an important part in many a well planned garden. Height, 1 to 3 feet.

Single Mixed. Radiating petals in many tones of rose and red about a golden center. Pkt. 15c.

SHASTA DAISY, Chrysanthemum Maximum (p)

It is a hardy plant bearing large white, single blooms with handsome yellow centers. They are valuable for border decoration and especially pleasing in bouquets.

Alaska. Pure white, extra large flowers. Excellent for cutting. Height, 2 feet. Pkt. 10c.

Double Shasta Daisy. Flowers very large and very double. Pkt. 25c.

SWAN RIVER DAISY, Brachycome (a)

Brilliant free-flowering annual blooming throughout the summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height 6 to 12 inches.

Mixed Colors. Pkt. 15c.



Cosmos, Dazzler



Pacific Hybrid Delphinium

DELPHINIUM (p)

One of the greatest charms of hardy Larkspurs is in their shades of blue which range from soft rosy lavender to violet and deepest indigo. The dwarfs are valuable in the border while the magnificent tall varieties are stately and beautiful in front of a shrubby background. Above the deeply cut dark green leaves rise long floral spikes. Height, 1 to 8 ft.

PACIFIC HYBRIDS. A new strain developed for the Pacific Coast conditions. The huge individual flowers, 2½-3½ inches across, are beautifully spaced on well-balanced tall spikes. Resistant to mildew. **Pkt. 25c.**

BELLADONNA. A delightful shade of silvery blue. **Pkt. 15c.**

BELLAMOSUM. Rich, deep and intense blue. **Pkt. 15c.**

WREXHAM HYBRIDS. Without question the finest strain of large-flowered hybrid Delphinium. Various shades and color combinations are to be found in the individual flowers. Will produce amazingly large flowers and spikes. **Pkt. 25c.**

FLAX, *Linum*

GRANDIFLORUM RUBRUM (a). An old favorite with large, rich crimson blooms borne profusely on plants growing 18 to 24 inches tall. Though the flowers last only one day, new ones appear every morning. **Pkt. 10c.**

PERENNIA LBLUE. (p) Perennial Flax is a reliable garden perennial. The foliage is very delicate, light blue green and is covered with light blue flowers for a long season. **Pkt. 10c.**

FLOWERING TOBACCO, *Nicotiana* (a)

Stately plants producing large, trumpet shaped blooms until frost. Fine for beds and borders. Height, 2 to 5 feet.

AFFINIS HYBRIDS, MIXED COLORS. **Pkt. 10c.**

FRAGRANT RED. **Pkt. 15c.**

FRAGRANT WHITE. **Pkt. 15c.**

FOXGLOVE, *Digitalis* (b)

This ornamental hardy plant is used extensively for naturalizing in shrubby borders and along the edges of woods. It grows well under almost all conditions, giving a wealth of bloom during June and July. Height, 4 to 6 feet.

SHIRLEY. This is an improved strain of the ordinary Foxglove, with handsome spotted Gloxinia-like flowers on long spikes. **Mixed Colors. Pkt. 15c.**

GAILLARDIA, Blanket Flower (p)

Tones of orange, yellow, red, and maroon, often beautifully combined in a single blossom, make these flowering plants gay ornaments of the garden all summer. Height, 1 to 2 feet.

DAZZLER. Large, well formed flowers, very vivid in the garden as the name implies. Golden yellow and maroon red. Striking perennial. **Pkt. 15c.**

SINGLE MIXED. Large daisy-like blossoms of yellow and bronze with central cones of yellow. **Pkt. 10c.**

GRANDIFLORA PORTOLA HYBRIDS. (p) Semi-double blooms of magnificent size and broad overlapping petals, golden tipped around glowing centers of bronzy red. **Pkt. 15c.**

GEUM, Avena (p)

Beautiful hardy perennials, bearing profusely large, showy, double, dark crimson flowers all through the summer. An elegant flower for bouquets. Height, 18 inches.

LADY STRATHEDEN. A new golden yellow with large full flowers of great beauty. **Pkt. 10c.**

MRS. BRADSHAW. Large, double, brilliant orange-scarlet. In flower throughout the entire summer. **Pkt. 15c.**

GODETIA (See Satinflower)

ORNAMENTAL GOURDS (ac)

Ornamental Gourds are easily grown in rich soil, where they will produce plenty of fruits. They may be trained on trellises and the ripened fruits used for ornaments.

Special mixture of large and small kinds. Pkt. 10c.

HOLLYHOCK, *Althaea* (p)

The beautiful color effects produced by the planting of these flowers render them indispensable for the old-fashioned garden or the herbaceous border. Height, 6 to 12 ft.

INDIAN SPRING (a). Semi and double flowers of bright rose and rosy carmine. Its many flowered branches produce a continuous show until frost. Sow fall or early spring. Flowers five months from seed. **Pkt. 15c.**

CHATER'S DOUBLE (p). Mixed. **Pkt. 15c.**



Hollyhock, Indian Spring



Larkspur, Giant Imperial

LARKSPUR (a)

Annual! Delphiniums are adorned with finely cut, feathery foliage which sets off to advantage the handsome long floral spikes of double blossoms. The colors range from pure white through soft shades of lavender and pink to deep blue.

GIANT IMPERIAL. Tall, upright, compact, basal branching in habit, the Giant Imperials have superseded all other types of Larkspurs for general garden use. Their delphinium-like spikes of double florets are carried on stout stems 4 to 5 feet.

White King. Flowers are a pure, glistening white, with extremely large double florets, evenly spaced on the stem. Early, the finest Larkspur. **Pkt. 15c.**

Pink King. A lovely soft, yet vibrant shade of salmon rose. Fully double, 2-inch florets of rounded broad petals which are evenly and closely spaced on stems. Basal branched character gives several fine spikes of bloom on each plant. One of the earliest flowering of all Larkspurs. **Pkt. 15c.**

Blue Spire. Very deep violet blue. An outstanding blue. **Pkt. 15c.**

Pink Perfection. The 2-inch florets are evenly and closely spaced on the stem, giving a very heavy Hollyhock-like cutting spike 24 inches or more in length. Color is a very luscious shade of lively pink. **Pkt. 15c.**

Blue Bell. Delightful clear light blue. Upright with long base branching spikes. **Pkt. 15c.**

Carmine King. Rich deep carmine and salmon flowers on long spikes; 3 to 4 ft. stems. **Pkt. 15c.**

Finest Mixed. **Pkt. 10c.**

LINARIA, Miniature Snapdragon (a)

This interesting species bears flowers which resemble miniature Snapdragons ending in single elongated spurs. It includes both trailing and erect growing varieties which are little known but worthy of greater attention. Height, 8 to 18 inches.

FAIRY BOUQUET. Small spikes of dainty, pastel flowers. Fragrant. Free-flowering. **Pkt. 15c.**

LOBELIA (a)

A dainty and continuous blooming annual of compact growth, remarkable for its profusion of beautiful blue flowers. Unexcelled for edging, ribbon beds, hanging baskets or window boxes. Height, about 6 inches.

COMPACTA, CRYSTAL PALACE. Erect and very free blooming. Best dark blue for edging. Fine for pots. **Pkt. 15c.**

TRAILING SAPPHIRE. A superb variety of pendulous habit; large deep blue flowers with conspicuous white eye. **Pkt. 15c.**

LUPIN, Sun Dials

Thrive in almost any situation. Sow where they are to bloom in May, and as plants grow, thin out to 1 foot apart. The annual varieties bloom freely from June until September, and the perennials make a fine addition to the hardy border.

RUSSELL LUPINS. Long, closely furnished spikes flower in a great variety of rich colors—deep yellow, oranges, reds, and brilliant bi-colors never seen in Lupins before. The florets are large with flat fan-like back-standards, and unlike all other Lupins, most of the spikes retain their florets throughout the whole period of development. Awarded the Royal Horticultural Society's Gold Medal, June 1937. **Pkt. 25c.**

DAHLIA BULBS

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All named, separate colors. Decorative.
Cactus, Ball, Art, and Assorted Varieties.



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Marigold, Gigantea

MARIGOLD (a)

Late in the season when many other growing things are past their prime, these plants supply an abundance of decorative blossoms. Their tones of orange and yellow blend well when the flowers are arranged loosely in bowls and vases. The bright green foliage is finely cut, and the stems are stout. Tall Marigolds give charm to the border, while the dwarfs are valuable for bedding and edging plants.

GIGANTEA, Full Double Mixture. Flowers are largest ever known in Marigold. A mixture ranging from deep orange through golden orange, deep golden yellow, light yellow, lemon yellow, and a delightful new shade of primrose. **Pkt. 10c.**

AFRICAN TALL DOUBLE (*Tagetes erecta*). Very large globular flowers composed of compact tubular or quilled petals. The stems should be cut carefully to avoid the disagreeable odor when bruised. Height, 2½ feet.

Lemon Queen. Clear lemon yellow. **Pkt. 10c.**

Orange Prince. Rich, deep orange. **Pkt. 10c.**

Mixed. **Pkt. 10c.**

CARNATION FLOWERED, Guinea Gold (African). Carnation-like petals and unusually brilliant golden color makes this flower outstanding among Marigolds. It lacks much of the pungent odor of other Marigolds. The plant blooms very freely. Height, 2 feet. **Pkt. 10c.**

MISSION GIANT, Yellowstone. Honorable Mention, All-America Selections, 1942. Large, two and a half inch flowers of bright, rich, clear yellow, on luxurious, large plants. Flowers are of double, incurved, *Chrysanthemum*-like form, and very attractive. Blooms late and lasts until frost. Uniformly three to five feet tall. **Mixed.** **Pkt. 15c.**

MARIGOLD, DWARF FRENCH, SUNKIST

Silver Medal, All America Selections, 1943. An exceptionally lovely border plant 8 inches high that becomes completely covered with 2-inch blooms. Colors are rich, deep golden orange, with crested centers surrounded by several rows of broad velvety petals. **Pkt. 25c.**

DWARF FRENCH, FLASH. (Silver Medal 1945 All America Selections.) Illustrated on cover. Truly named because it is one of the most striking plants in the garden. Vivid 1½-inch flowers range from red, through bronze to yellow. Compact plants are covered with blooms from early summer until frost. **Pkt. 25c.**

DWARF FRENCH, Double Harmony Hybrid. Without question one of the very finest Marigolds introduced. Flowers charming and distinct. Scabiosa-like in formation with tubular deep orange center petals flanked by broad velvety dark maroon-brown guard petals. Plants are dwarf, about 1 ft. high, compact, free blooming. Early and attractive for cutting. **Pkt. 15c.**

NEMESIA (ra)

This plant is excellent for edging purposes. Plants send up many slender stalks crowned with fairy-like flowers, something like the *Schizanthus*. When the flowers fade they may be trimmed back and will bloom again. Their colors run

from the brightest reds, yellows, oranges, to the brightest blues and purples. Height, 6 to 12 inches.

COMPACTA TRIUMPH, FINEST MIXED COLORS. **Pkt. 15c.**

MORNING GLORY, Ipomoea (ac)

Climbers of rapid growth, with beautiful and varied flowers. For covering walls, trellises, arbors, they are invaluable.

HEAVENLY BLUE. A variety that is bringing new popularity to Morning Glories. It is an early blooming climber, literally covered with lovely flowers of sky-blue. Flowers 3½ inches across and blooms until frost. **Pkt. 10c.**

PEARLY GATES. Silver Medal Winner, All-America Selections 1942. Enormous, clear, shining white flowers with light creamy shading in the throat. Fast growing and vigorous. **Pkt. 15c.**

SCARLETT O'HARA. Gold Medal, All-America Selections 1939. An entirely new color in Morning Glories—rich dark wine red or deep rosy crimson. Flowers are about 4 inches in diameter. The dark green foliage does not make a heavy growth, leaving the plants graceful in appearance. **Pkt. 15c.**

MIXED IMPERIAL. Handsomest of all Morning Glories. The flowers are of gigantic size and their colorings beyond description. **Pkt. 10c.**

NASTURTIUM (a)

Few garden annuals respond with as little care as the Nasturtium. For ease of culture, duration of bloom, brilliancy of coloring, they are unexcelled. All they need is a moderately good soil, in a well drained, sunny position and within a few weeks from the time they are sown until hard frost comes, there is endless profusion of gorgeous bloom.

GLORIOUS GLEAM HYBRIDS. Award of Merit, All-America Selections 1935. Delightfully sweet scented; double. Color range includes brilliant blend of salmon, golden yellow, orange scarlet, cerise, cream, orange, maroon and crimson shades. **Finest Mixed.** **Pkt. 10c.**

GOLDEN GLEAM. Plant forms a vigorous large bush which throws out short runners, averaging 18 inches. The sweet-scented, large double flowers are golden yellow and average 2 to 3 inches across. **Pkt. 10c.**

SCARLET GLEAM. A sister of Golden Gleam. Its semi-double blossoms are similar in size and shape to those of the popular golden Nasturtium. Rich, dazzling scarlet. Sweet scented. Fine for cutting. **Pkt. 10c.**

TALL OR CLIMBING NASTURTIUMS. For covering trellises, fences, arbors, piazzas, trailing from vases, over rock-work, etc., nothing can equal their great quantities of bloom from early summer until frost. The seed pods can be gathered while green and tender for pickling. Height, 8 to 10 feet. **Finest Mixed.** **Pkt. 10c.**

DWARF OR BEDDING VARIETIES. Of dwarf, compact growth. Excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across. **Finest Mixed.** **Pkt. 15c.**

NIEREMBERGIA (See Blue Fern Flower)



Nasturtium, Double Gleam



Petunia, Rosy Morn

PANSY, Heart's Ease (b)

When the bright hues of the Tulips and Daffodils have faded, the rich, deep and varied shades of the Pansies provide a welcome change in the flower beds. The varieties listed produce large blooms of good substance, regular markings, and full rich coloring. Low growing.

SWISS GIANT. A remarkably fine improved strain of pansies for the home gardener. Plants are compact in habit, producing immense circular flowers over a long blooming season. Fine range of attractive shades.

Finest Mixed. Pkt. 35c.

STEELE'S MASTODON. A vigorous Oregon type, particularly desirable for cutting as the plants are taller and have longer stems. Esteemed for bedding. A fine blend for bright effects.

Finest Mixed. Pkt. 35c.

POPULAR BEDDING MIXTURE. These are the popular saucy-faced beauties that everybody loves, comprising the finest varieties in all colors. Pkt. 25c.

PETUNIA (a)

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained, the coarse growing plants frequently reverting to the common types.

PETUNIA HYBRIDA (Single Bedding). 1½ feet. This is a spreading type of Petunia and is used extensively for mass planting and large beds. Very satisfactory for small gardens.

Elk's Pride. A very large deep purple petunia. Very dark and satiny in texture. Pkt. 25c.

PETUNIA HYBRIDA NANA COMPACTA. 1 foot. A fine type of Petunia for small beds and borders; often used for pot culture. This Petunia holds its habit very well throughout the blooming season.

Cream Star. Silver Medal, All-America Selections 1940. Star-shaped flowers soft creamy white deepening to the golden yellow throat. Profuse. Pkt. 25c.

Heavenly Blue (Silver Blue). Enchanting shade of light silvery blue. Dwarf. Pkt. 15c.

Rosy Morn. Soft rose-carmine-pink with a white throat. Dwarf and close-growing. Pkt. 15c.

Mixed. All colors. A very decorative show may be had by sowing these broadcast. Pkt. 15c.

SINGLE BALCONY PETUNIAS

A splendid large and free-flowering type for window boxes, vases, hanging baskets, etc. The flowers average 3 inches across.

Deep Blue. Certificate of Honor. Pkt. 25c.

Rose. Rich fiery rose. Pkt. 25c.

White. Award of Merit, Royal Horticultural Society 1935. Pkt. 25c.

Mixed Colors. Pkt. 25c.

GRANDIFLORA SINGLE FRINGED

Theodosia. Soft rosy pink with contrasting veined golden-yellow throat. An outstanding variety in this class. Pkt. 25c.

Super Fluffy Ruffles. A new ruffled and frilled type of Petunia that has the appearance of being almost double. Practically 100% true. Flowers are very large with a deep throat. The mixture is well-balanced with shades of pink and white, salmon, salmon-pink, deep rose, rose, crimson, and light blue. Pkt. 25c.

RUFFLED GIANTS OF CALIFORNIA

Supreme Strain. A new strain of rose and pink shades. Light richly veined throats surrounded by satiny petals which are heavily ruffled. Large blooms, 5 to 7 inches in diameter, produced on strong, richly-foliaged plants. Excellent bedding variety; fine window box type. Pkt. 25c.

DWARF GIANTS OF CALIFORNIA

A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats.

Choice Mixed Colors. Pkt. 25c.

DOUBLE VARIETIES

We offer you one of the finest strains of double Petunias in existence. Plan today to buy several packets of these lovely flowers for your garden.

Choice Mixed Colors. Pkt. 50c.



Phlox Gigantea, Rosy Morn

PHLOX DRUMMONDI (a)

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about 1 foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in spring.

GIGANTEA, SALMON GLORY. Silver Medal, All-America Selections 1939. Individual florets 1¼-1½ inches across. Pure salmon-pink with a distinct creamy-white eye. One of the most beautiful color combinations. Pkt. 15c.

GIGANTEA. Comes in a grand mixture of fine colors. Pkt. 10c.

GIGANTEA, ROSY MORN. Bronze Medal, All-America Selections, 1941. An extremely refreshing, gay and bright color combination of rose-pink with a white eye. A color that will not fade in the strong sun. This new variety possesses the large sized blooms, the free flowering quality and the fine habit of both Gigantea Art Shades and Gigantea Salmon Glory. Pkt. 15c.



Scabiosa, Imperial Giants, Blue Moon

PIN CUSHION FLOWER, *Scabiosa* (a)

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by frost. As a flower for cutting they are very popular. Seeds should be sown any time in the spring after danger of frost is past.

ROSETTE. A beautiful *Scabiosa* of deep rose suffused with salmon. A "must have." Pkt. 15c.

SALMON BEAUTY. Pure salmon, with huge flowers. Vigorous. The stems are long and stiff, making it a most popular flower for the garden or for cutting. Pkt. 15c.

IMPERIAL GIANTS, Blue Moon. Honorable Mention, All-America Selections, 1939. Rich, deep lavender blue, fully double. Lacks the usual pincushion effect, tall and erect. Flowers borne on long, wiry stems. Pkt. 15c.

GIANT HYBRIDS, MIXED. Pkt. 10c.

POPPIES, *Papaver*

Poppies have long been favorite garden flowers for their delicacy, as well as the simplicity of the buds and neatness of the foliage. The pure colors and fine texture of the petals make a good showing in the garden. All are easily raised from seed which should be sown where the plants are to remain, later thinning out the plants. In the North, sow in the open ground as early as possible in the spring; in California, sow from October to March.

SHIRLEY (a). The most charming poppy for the garden. The plants, with their deeply cut foliage, slender, hairy stems and silky petalled blossoms, often fluted, present an airy picture as they nod in the breeze. Height 18 inches.

Sweet Brier (Double Annual Shirley). Full, double begonia-like flowers of a beautiful deep rose-pink. One of the finest strains of double Shirleys for the garden. Pkt. 15c.

All Double Mixed. Mixture of the best colors. Full double and semi-double flowers in a great variety of colors. Pkt. 10c.

Single American Legion. Dazzling scarlet with white cross at center. Best substitute for the wild Flanders Poppy. Pkt. 10c.

Single Mixed. A superb blend of this beautiful type of poppy ranging in color from pure white through tones of salmon, pink, and rose to brightest carmine-red. Pkt. 10c.

ICELAND POPPY (p) (Nudicaule). A hardy poppy slightly resembling the Shirley. Somewhat different in habit and contains many shades of yellow and orange. Height, 18 in.

Mixed. Pkt. 15c.

CALIFORNIA POPPY, *Eschscholtzia* (a)

The state flower of California and one of the most attractive low growing annuals. The foliage is finely cut, fern-like, and silvery green in color. They start to bloom a few weeks after the seed is sown. Height, 12 to 18 inches.

Rumona Hybrids. A new strain containing many lovely shades. The plants grow compact and upright, with flowers beautifully frilled. **Mixed Colors.** Pkt. 10c.

Double Eschscholtzia. The flowers are like little silken flags, beautifully fluted and crinkled, double and semi-double. The colors are yellow, orange, salmon. **Mixed Colors.** Pkt. 10c.

Aurantiaca, Orange. Ordinary California Poppy. Pkt. 10c.

MEXICAN TULIP POPPY, *Hunnemannia* (a)

Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup yellow, poppy-like blossoms, and are never out of flower until hard frost. The plants grow 2 feet high, with beautiful feathery foliage.

Sunlite. Award of Merit, All-America Selections. Semi-double, canary yellow. Pkt. 10c.

PINKS, *Dianthus* (a)

A charming class of annual flowers for beds, borders, edgings and cutting. The dwarf, rather compact plants average 1 foot in height. Of easiest culture, succeeding in ordinary garden loam. Blooms from July until frosts.

HEDDEWIGII LACINIATUS DOUBLE MIXED (Japan). Superb flowers rivaling the Carnation in size and doubled blossoms. Excellent for bouquets. Pkt. 10c.

HEDDEWIGII SINGLE MIXED. Large finely marked flowers having fringed petals. Pkt. 10c.

PORTULACA, Moss Rose (ra)

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation. Flowers of the brightest colors. Height, 6 to 10 inches.

DOUBLE MIXED. Pkt. 25c.

SINGLE MIXED. Pkt. 15c.

POT MARIGOLD (See *Calendula*)

RED HOT POKER, *Tritoma* (p)

A perennial, not strictly hardy, but will live through the winter with a protective covering of leaves or short manure; or the roots may be lifted and carried over winter in sand in a cellar. Height, 4 to 6 feet.

MIXED HYBRIDS. Pkt. 15c.



California Poppies



Snapdragons

SALPIGLOSSIS, Painted Tongue (a)

For delicate grace, richness of coloring, and velvety texture, the regal Salpiglossis has practically no equal. From a low base of leaves rise slender wiry stalks which bear one or more large lily-like flowers in a magnificent range of colors. Height, 1 to 2½ feet.

SUPERB MIXED. Pkt. 10c.

SATINFLOWER, Godetia (a)

Very handsome annual plants especially suited for semi-shady locations. Sow in spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form.

TALL DOUBLE. Long graceful spikes are decorated with double blossoms resembling satin pompons one above another. Height 2 feet. **Choice Mixed Colors. Pkt. 10c.**

SCHIZANTHUS (See Butterfly Flower)

SNAPDRAGON, Antirrhinum (a)

Snapdragons are fascinating flowers, with their interesting form and glowing colors. They are easy to grow and will bloom continuously until severe frost, making a wonderful display and supplying unlimited cut flowers. Ordinary good garden soil will produce fine Snapdragons either in full sun or semi-shaded spots. Sow outdoors when danger of frost has passed, or indoors six weeks earlier.

SUPER GIANTS, RUST RESISTANT

30 to 36 inches tall.

CAMPFIRE. Luminous scarlet. **Pkt. 15c.**

CANARY BIRD. Canary yellow. **Pkt. 15c.**

COPPER QUEEN. Bronzy copper. **Pkt. 15c.**

CRIMSON. Fiery crimson. **Pkt. 15c.**

PARADISE ROSE. Rose pink. **Pkt. 15c.**

ROSALIE. An all-purpose Snapdragon. An entirely new color of rich deep rose with an underlying tone of topaz or amber. Plants are base branching and produce from 6 to 8 huge, long flowering spikes of well arranged florets. **Pkt. 25c.**

SWING TIME. The loveliest rose pink imaginable with a bright yellow touch and a white tube. Spikes are huge and evenly packed with immense blooms beautifully tapered. **Pkt. 15c.**

YELLOW GIANT. Deep yellow. **Pkt. 15c.**

FINEST MIXED. Pkt. 10c.

SALVIA, Flowering Sage

Scarlet sage is usually treated as annuals. Start the seed from January to May, and set out plants when weather becomes warm.

BONFIRE. The crimson spikes grow erect above the foliage forming handsome globular bushes. **Pkt. 25c.**

SCABIOSA, Pin Cushion Flower (a)

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by the frost. As a flower for cutting they are very popular. Seeds should be sown anytime in the spring after danger of frost is past.

ROSETTE. A beautiful Scabiosa of deep rose suffused with salmon. A "must have". **Pkt. 15c.**

SALMON BEAUTY. Pure salmon with huge flowers. Vigorous. The stems are long and stiff, making it a most popular flower for the garden or for cutting. **Pkt. 15c.**

IMPERIAL GIANTS, BLUE MOON. Honorable Mention, All-America Selections, 1939. An entirely different and improved flower and plant from the existing Scabiosa varieties. Fully double, extremely large and deep. Petals broad, heavy, and wavy, entirely eliminating the pincushion center; rich deep lavender blue. Tall growing and very upright with long, wiry, heavy stems in which the weak neck of the older types is completely eliminated. Ideal for cutting. **Pkt. 15c.**

SHASTA. Pure white, very large flowers. **Pkt. 15c.**

GIANT HYBRIDS. Mixed. Pkt. 10c.

STOCKS, Gilliflower (a)

These popular flowers are easily grown, are so highly fragrant, and of such great beauty that they deserve a place in every garden. The Early Giant Imperial class are half-hardy annuals. Beauty Stocks are biennials, but if sown in early spring will bloom the same year. They are also valuable for winter forcing.

BEAUTY OF NICE. It follows the Ten Weeks class in season of bloom. The plants are pyramidal in shape, branching above the base. Excellent for bedding and cutting. Height, 16 inches.

Finest Mixed Colors. Pkt. 10c.

GIANT IMPERIAL. Long stems and imposing spikes of large flowers make this the outstanding variety. It is about as early as Beauty of Nice and resembles it in habit, except that the plant is less spreading and taller. Height, 2 feet.

Finest Mixed Colors. Pkt. 10c.

EVENING STOCKS

The flowers are small, mauve colored, similar to the Virginia stocks but are delightfully fragrant toward evening. They are especially sweet after a rain.

MATTHIOLA BICORNIS. Pkt. 10c.



'ORTHO' Rose Spray Kit

Enough EXTRAX Insect Spray and
GREENOL Liquid Fungicide to
make 12 gallons combination
spray for all-around

use. **\$1.00**



SWEET PEAS

GIANT SUMMER FLOWERING SPENCERS

All colors. Pkt. 10c, oz. 75c.

Pink and Rose Shades

ROSE PINK. Silver Medal, All-America Selections 1940. Large, wavy, rose-pink flowers on white ground. New type, maturing between the early flowering and the Spencer classes. Is taller and has longer stems than either of the others and gives more cut flowers. Free blooming and seems more heat-resistant than the Spencers.

PINKIE. Rose-pink with large and frilled flowers. This variety is seldom affected by weather conditions and first-class blooms can be cut all during its long blossoming period. Silver Medal.

JACK HOBBS. Cream-pink, flushed scarlet. One of the largest sweet peas ever introduced. Gold Medal.

MISS CALIFORNIA. The color is a beautiful shade of rich pink, deeply flushed and shaded with salmon. Unsurpassed for either exhibition or general cutting purposes.

Lavender and Blue Shades

AMBITION. Rich deep lavender, with a darker shade on the base of the standard and wings when young, lessening as the bloom ages. Gold Medal and Award of Merit.

POWERSCOURT. A clear pure lavender. Has been considered the best lavender for a number of years. It is still the most popular. The flowers are very pure in color.

THE ADMIRAL. Largest and best navy blue. The color is richer and deeper than Fortune. Award of Merit, Scottish National Sweet Pea Trials. Award of Merit.

White and Cream Shades

SEXTET QUEEN. Pure white flowers of perfect form and of great substance. Normally produces five-flowered stems when grown under ordinary conditions. Black seeded. Award of Merit.

WHAT JOY. Primrose, shading to cream. A charming tone and so far the nearest approach to a true yellow.

Orange and Salmon Shades

GEORGE SHAWYER. A giant orange pink, the standard showing more orange than the wings. The flowers are perfectly formed and nicely placed. Award of Merit.

SMILES. Clear glistening salmon, best describes this exquisite variety. The large flowers are beautifully waved and fluted.

Cerise Shades

MRS. A. SEARLES. Salmon-cerise, merging into a soft oriental-red. A remarkable and distinct color. No collection is complete without this beautiful sweet pea.

ARTISTE. Clear geranium pink; a rare color. Flowers are large and quite frilled. An outstanding sweet pea.

Red Shades

RED SUPREME. Deep crimson; an abundance of flowers on long stems.

WELCOME. By far the best and most brilliant, dazzling, scarlet sweet pea. For exhibition or gardens it is supreme. Absolutely sunproof. Silver Medal, Scottish National Sweet Pea Society.

Maroon and Purple Shades

WARRIOR. Rich chocolate maroon. A magnificent variety which has held its place and popularity for a number of years.

OLYMPIA. Deep rich purple of graceful form and immense size. Gold Medal, Scottish National Sweet Pea Trials.

Choice Mixture Spencer Sweet Peas

This is our special mixture and is a blend of all the most beautiful colors in Spencer Sweet Peas. Pkt. 10c; oz. 50c.

Spring Flowering Sweet Peas

Mixed. Pkt. 15c; oz. 75c.

CULTURE OF SWEET PEAS

Sow as early in the spring as the ground can be prepared in rich, deeply worked soil with good drainage. Cover the seeds about 2 inches deep with fine soil and supply support to the growing vines before they grow too large. Keep well watered during dry periods. One ounce of seed will plant a row about 15 feet long.

STRAWFLOWER and IMMORTELLE

HELICHRYSUM (a). The finest of all Everlastings. They make unusually fine winter bouquets if cut when partially opened and dried slowly in a cool place, heads downward to keep the long stems straight. The centers of the double pompon-like flowers are nearly covered by the stiff overlapping petals. A wide range of brilliant and soft colors. Height, 2 to 3 feet.

Finest Mixed. Pkt. 10c.

SUNFLOWER, *Helianthus* (a)

Well known and popular plants, the small flowering sorts being useful for cutting. The tall varieties are valuable for backgrounds.

SUN GOLD. New. Large double flowers of brilliant golden yellow. Free flowering. Pkt. 10c.

RED SUNFLOWER. Tall single flowered variety with bright red blossoms. Pkt. 10c.

SWEET SULTAN, *Centaurea* (a)

These beautiful long stemmed flowers with their soft velvety heads make very enchanting bouquets. They measure 2 to 2½ inches across while the entire plant stands about 2½ to 3 feet tall. You can grow them readily in any fair garden soil, and your friends are sure to admire them.

Mixed. Pkt. 10c.

SWEET WILLIAM, *Dianthus Barbatus* (b)

A well-known, attractive, free-flowering hardy biennial, producing a splendid effect in beds and borders with their rich and varied flowers. Height, 10 to 20 inches.

Single Varieties, Mixed. Pkt. 10c.

Double Varieties, Mixed. Pkt. 10c.



Verbena, Roseglow

VERBENA (a)

One of the most popular garden annuals for beds and massing and for a gorgeous display during the summer months cannot be exceeded, commencing to flower in July and continuing until frost. Height, 6 to 8 inches.

HYBRIDA, ROSEGLow. Glowing deep rose shading to orange scarlet in the individual floret without an eye. Color is so luminous that each plant has the appearance of a small flat fountain of fire. Decidedly free flowering. **Pkt. 15c.**

SPECTRUM RED. The brightest Verbena in existence. The huge flowers are an intense bright red, and having no eye, the color is intensified and its brilliance is quite dazzling. **Pkt. 15c.**

BRILLIANT. The color of this beautiful Verbena is a rich, deep, flame rose, with a medium sized white eye. This is one of the richest colors ever introduced. **Pkt. 15c.**

FLORADALE BEAUTY. Special Mention, All-America Selections 1937. A giant hybrid, the flowers varying from bright rose-pink to deep rose-red of exceptional brightness. Individual florets of perfect form, fully rounded, and average 1 1/4 inches across; heads or trusses 4 to 5 inches across. **Pkt. 15c.**

HYBRID GRANDIFLORA GIANT, MIXED SHADES. **Pkt. 10c.**

VIOLA, Tufted Pansies (a)

WALLER FRANKLIN FORMULA MIXTURE. This blend of bright gay colors far surpasses any mixture of Violas we have seen. Bright shades of self colors of red, yellow, blue, and apricot combined with many shades which are blotched, undoubtedly make these Violas a supreme mixture. **Pkt. 25c.**

WALLFLOWER, Cheiranthus

ENGLISH WALLFLOWER (Cheiri). These half-hardy perennial and annual wallflowers are grown for early spring bedding and for their delightful fragrance. Perennial sorts should be sown in autumn and carried over in coldframe. Annual sorts may be sown outdoors in March and will flower the first year. Height, 2 to 3 feet. **Pkt. 10c.**

SIBERIAN WALLFLOWER (b) (Cheiranthus Allioni). This unusual little plant deserves a place in your rock garden or low border. Upright spikes bear numerous four-petaled flowers of dazzling rich orange. Flowers the first season from seed and when established will bloom all summer. Height, 1 foot. **Pkt. 10c.**

ZINNIA (a)

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the summer and continue until frost.

CALIFORNIA GIANTS. This variety is taller than the Dahlia flowered type, 3 to 4 feet high, with long stems, which make the flowers fine for bouquets. The blooms are large and flat and very graceful for their size. **Mixed. Pkt. 10c.**



Zinnia, Crown of Gold

DOUBLE DAHLIA FLOWERED. 2 1/2 feet. Enormous double flowers are produced by robust branching plants. The flowers usually have slightly hollowed centers ringed with small tubular florets. The petals are quite loosely placed and tend to curl at the edges, giving the blossoms a crisp, fresh appearance.

Crimson Monarch. Deep crimson, large flowers. **Pkt. 10c.**

Dream. Deep rosy lavender. **Pkt. 10c.**

Exquisite. Light rose, deep rose center. **Pkt. 10c.**

Golden Dawn. Golden yellow. **Pkt. 10c.**

Illumination. Deep self rose. **Pkt. 10c.**

Oriole. Orange and gold bicolor. **Pkt. 10c.**

Polar Bear. White. **Pkt. 10c.**

Scarlet Flame. Bright scarlet. **Pkt. 10c.**

Mixed. **Pkt. 10c.**

WILL ROGERS. Brilliant scarlet red. **Pkt. 10c.**

SUPER CROWN O'GOLD, Pastel Tints. A vastly improved strain of the Crown o' Gold type, with large well formed flowers, in soft pastel shades, each petal overlaid at the base with deep golden yellow.

Mixed Shades. **Pkt. 15c.**

FANTASY. A new Zinnia type. Shaggy, medium-sized flowers on plants 2 1/2 to 3 feet high. Free blooming. Excellent for cut flowers. **Mixed. Pkt. 10c.**

WILDFIRE. A rich, dazzling scarlet. Wildfire adds a distinct note of color and cheerfulness to the garden and will enliven any home when used in flower arrangements. Plants neat in habit, strong growing, and very free blooming; 2 1/2 to 3 ft. in height, coming into flower 45 to 50 days after seed is sown. **Pkt. 15c.**

DOUBLE LILLIPUT. 12 inches. A charming dwarf which is excellent for low borders or edgings. The plants are of tidy habit and produce a bounteous supply of very double pom-pom flowers about 1 1/2 inches across. The colors are bright. **Mixed. Pkt. 10c.**

LINEARIS. This little dwarf variety of Zinnia is most unusual and interesting. The flowers are single and of a lovely shade of golden orange, with a delicate lemon yellow stripe through each petal, while the center is dark brown in the young flowers, turning golden orange as the flower develops. Blooms are produced in great profusion. Height, 8 to 10 inches. **Pkt. 10c.**

GARDEN PESTICIDES

FOR INSURANCE AGAINST PEST DAMAGE

MULTI-PURPOSE SPRAY SET

For Use Against

More Prevalent GARDEN INSECTS



Set contains 4-ounce bottle of **EXTRAX** Insect Spray, **GREENOL** Liquid Fungicide and **VOLCK** Oil Spray. Mix all 3 sprays in the same water and in one application treat against many insects and diseases in the garden. Set makes 25 gallons combination spray at normal dilution\$1.85

MULTI-PURPOSE DUSTS



BOTANO Garden Dust. For general garden use against many insects and diseases. Dusting is preferred by many, particularly on vegetables. One of the sal-

est multi-purpose dusts that can be used. 10-oz. size is Dual Purpose package which also serves as a handy garden dust.

8-oz. Shaker.....35c 1-lb. Pkg.....\$.50

4-lb. Pkg.....\$1.10

10-oz. Duster (Contains **ROTENONE**).....49c

CALTOX Garden Dust "525". Used throughout the garden, but especially useful on Tomatoes, Potatoes, Cucumbers, Squash, and Melons, against Flea Beetle, Diabrotica or Cucumber Beetle, Potato Beetle, Tomato Worm, Early and Late Blight. Contains Cryolite, Copper and Zinc. 10-oz. Dual Purpose package.....49c

OIL SPRAYS

VOLCK Oil Spray. Envelops, penetrates and smothers many sucking insects such as certain Scale Insects, White Fly, Mealybug, and Red Spider. Also a spray carrier for other sprays.

4-oz. Bottle.....25c 1-pint Bottle.....50c

1-gallon Can.....\$2.25

KLEENUP Winter Spray. An emulsive Oil Spray for use against certain Scale Insects during dormant season. Use with Bordeaux Mixture against Peach Leaf Curl and Peach Blight.

1-pint Bottle.....39c 1-gallon Can.....\$1.00

5 Gallons.....\$4.95

WEED KILLER

TRIOX Weed Killer. Poisons soil and prevents weeds from growing. Use on driveways, walks, and other places where no vegetation is wanted.

1-qt. Can.....75c 1-gallon Can.....\$2.25

ANT POISON



ANT-B-GON Ant Poison. The ANT-B-GON Dispensers are easy to refill. Ants feed from the "WICK".... Can't get inside. One or two sets of Dispensers are enough for the average home. For

Argentine and Sweets-eating ants.

Set of four 1-oz. Dispensers.....60c

Ant Poison to refill dispensers:

4-oz. Bottle.....20c 1 pint.....50c

1/2 gallon.....\$1.50

MULTI-PURPOSE BAIT

For Use Against

PRINCIPAL FORAGING PESTS

Slugs, cutworms, snails, sowbugs, earwigs, grasshoppers, strawberry root weevil. Baiting against these pests is easy with the new **BUG-GETA** PELLETS Compressed BAIT. (A Metaldehyde-Arsenical Bait.) 5000 baits in a 2 pound carton.

12-oz. Carton.....25c 5-lb. Carton.....\$1.00

2-lb. Carton.....50c 25-lb. Bag.....\$3.60



INSECTICIDES

EXTRAX Insect Spray. Kills by contact. Used against many sucking and chewing insects such as Aphids, Beetles, Caterpillars, Thrips, on Vegetables and Ornamentals. Economical... General dosage is one teaspoonful to gallon of water.

1-oz. Bottle.....\$.35 1 Pint.....\$2.75

4-oz. Bottle.....\$1.00 1/2 Gallon.....\$7.95

CALTOX Insecticide Dust. Contains Cryolite and Thiocyanates. Used against Diabrotica and certain other Beetles, Worms, Sowbugs.

8-oz. Shaker.....35c 20 ozs.....60c

4 lbs.....\$1.10

ORTHO Calcium Arsenate. A strong stomach poison suitable for spraying or dusting.

1 lb.....25c 4 lbs.....90c

ORTHO Basic Lead Arsenate. A stomach poison for use as a spray or dust to control chewing insects such as certain Beetles, Caterpillars (as Oak Moth), Worms on Apples, Pears and other plants, and Sod Webworm in lawns.

1 lb.....35c 4 lbs.....90c

ORTHO Standard Lead Arsenate. For same uses as ORTHO Basic Lead Arsenate except that in certain sections it cannot be used as safely.

4 lbs.....90c



EARWORMICIDE. To keep worms out of sweet corn, make one treatment when silk begins to wilt. 4 ozs. treats 120 ears.

2-oz. Bottle with

applicator.....35c

4-oz. Bottle.....35c

1 pint.....75c

1/2-gallon Bottle.....\$1.80

FUNGICIDES

GREENOL Liquid Fungicide. A copper fungicide used to prevent Powdery Mildew. Contains spreading and wetting agents and mixes with EXTRAX Insect Spray for making a combination treatment against insects and diseases.

1-oz. Bottle.....35c 1 pint.....\$1.50

4-oz. Bottle.....60c 1/2 gallon.....\$3.95

"ORTHO" BORDO Mixture. Prepared Bordeaux Mixture used to control fungus diseases such as Peach Leaf Curl, Peach Blight, Pear Scab.

1 lb.....35c 4 lbs.....90c

FLOTOX Garden Sulfur. Finely powdered... Used either as a dust or spray to control Powdery Mildew, Scab and certain other diseases.

26 ozs.....25c 4 lbs.....50c

ORTHO ROSE SPRAY KIT

Special Combination Offer. Contains 2-oz. bottle "EXTRAX" for Aphids and other insects and 2-oz. bottle "GREENOL" to prevent certain Powdery Mildews. Makes 12 gallons spray. Used for vegetables too.

Each Kit.....\$1.00



SOIL INSECTS

ORTHO Soil Fumigant. A new "ORTHO" development designed to control certain soil inhabiting insects which attack roots. Used primarily against garden Centipedes, Cabbage Maggots, Onion Maggots, Wireworms. Also for fumigating soil in seed beds.

4-oz. Bottle.....35c 1 pint.....\$1.00

EARWIGS

ORTHO Earwig Bait. Prepared on a government formula. Earwigs can become a menace to health through food contamination and should be controlled at first sign of an infestation. First brood usually appears in April, May or June.

2 1/2 lbs.....50c

RODENT CONTROL

ORTHO Rat Bait Pellets. Ready-to-use Red Squill Bait which are relatively harmless to humans and domestic animals. Poisoned Rats seek underground burrows before dying.

2-oz. Carton.....25c 6-oz. Carton.....50c

ORTHO Rodent Destroyer. Kills Gophers, Squirrels, Prairie Dogs, Rats, Mice. This bait is poisoned with strychnine by a special solvent process to assure lasting potency.

6-oz. Carton.....30c 1-lb. Carton.....60c

5-lb. Carton.....\$2.25

DOG REPELLENT

SCRAM Dog Repellent. A special powder used to keep dogs away from shrubs, flowers, lawns, store fronts, porches, etc. Easy to use. Does not harm animals.

8-oz. Shaker.....49c



PRUNING PAINT

CONTAX Pruning Paint. Protect cuts and tree wounds with this modern plastic pruning and grafting composition. Also has many other uses.

1 pint.....35c 1 gallon.....\$1.50

ASK FOR FREE ORTHO GARDEN SPRAY GUIDE

IT'S IMPORTANT TO FEED ALL VICTORY GARDENS

That Victory Garden of yours is an important cog in the home front picture that is playing an important part in winning the war. Don't fail to feed it properly! A square meal has tremendous importance in assuring gardening success.

We recommend that you feed your Victory Garden with Vigoro Victory Garden Fertilizer. It is a complete plant food . . . the kind of square meal that assures vegetable richer in flavor, tenderness and nutritional value. It helps you get the BIG YIELDS and to get them earlier.

PRICES:

100 lb. bag	\$3.70
50 lb. bag	2.35
25 lb. bag	1.45
10 lb. car. . . . .	.80
5 lb. car. . . . .	.50

A PRODUCT OF
SWIFT & COMPANY



NOW YOU CAN GET VIGORO COMPLETE PLANT FOOD



for LAWNS and FLOWERS

Uncle Sam has released Vigoro for use by gardeners in feeding lawns, flowers, shrubs and trees. Beautiful gardens have been found essential to a strong civilian morale. Use Vigoro for top beauty and enjoyment from your outdoor living room.

PRICES:

100 lb. bag	\$3.50
50 lb. bag	2.30
25 lb. bag	1.40
10 lb. bag . . . . .	.70
5 lb. bag . . . . .	.45
1 lb. car. . . . .	.10

FERTILIZERS

All sold at current market prices. Ask for quotations.

BONE MEAL. Extra fine; is a fertilizer recommended for lawns, rose bushes, grape vines, especially where a moderately slow fertilizer is needed for the deep-rooted shrubbery and where a perfectly safe fertilizer is required. It contains a phosphoric acid and some nitrogen.

GRANULATED PEAT MOSS. For greenhouse, garden and home. Our peat moss is of the finest quality you can buy anywhere at any price. Its use contributes to the humus content of the soil, lightening heavy clay and binding sandy soils. It insulates soil against freezing and thawing in winter and conserves moisture in summer. Clean, odorless and economical to use.

SHEEP GUANO. An efficient fertilizer to use on lawns, in the garden, the perennial border, shrubbery beds, small fruit garden, flower beds, etc. It is safe and dependable. A natural plant food and not a chemical stimulant. Every amateur gardener can get results with sheep guano.

Do not allow solution to touch foliage. Dissolve 1 oz. to 2 gals. or 1 lb. to 50 gallons.

TANKAGE. Containing by-products from slaughter houses and contains blood, meat, bone that has been cooked, dried and ground. The analysis varies much, running from 5 to 9 ammonia and 5 to 15 phosphoric acid. It contains no potash and for best results potash should be mixed with tankage. A quick acting organic.

HYDRATED LIME. The constant watering of lawns tends to sour the soil and eventually the lawn becomes foul with sorrel, Creeping Charlie, and other weeds which thrive in an acid soil. This condition may be improved by applying hydrated lime.

NuLife

Lawn and Garden FERTILIZER

Analysis 6-10-4

Can be used without restrictions for
LAWNS - FLOWERS - TREES
VEGETABLES - SHRUBS

100 lbs.	\$3.50	25 lbs.	\$1.40
50 lbs.	2.30	10 lbs. . . . .	.70
5 lbs.	\$.45		

F.O.B. Spokane

FIELD SEEDS

Write for Our Competitive Prices

ALFALFA

Sow 12 to 15 lbs. per acre.

GRIMM ALFALFA. State Sealed and Certified Seed. Grimm Alfalfa is a very hardy and consistent producer, and is recommended for all sections where alfalfa is considered to have a place. Highest grade seed.

LADAK ALFALFA. A variety ideally adapted to dry soils which cannot successfully grow the more common varieties. Will produce one heavy crop, and in case the moisture is not sufficient to continue its growth, will survive through the season, to come again after winter rains have revived it. Strongly resistant to freezing. Also gives good results under irrigation in the Northwest.

COMMON or CHILEAN ALFALFA. Universally grown popular long-rooted variety. Best adapted to deep soils.

BARLEY

Sow 120 to 150 lbs. per acre.

SUCCESS BEARLESS BARLEY. Spring. Straw about height of common barley. Stands up better than other varieties. Contains no beard.

APPROX. 70,000,000 LBS. OF AIR-NITROGEN
ABOVE EVERY ACRE. THIS IS AVAILABLE
FREE FOR SOIL AND CROP IMPROVEMENT IF YOU
**CONVERT LEGUME SEEDS
INTO FERTILIZER PLANTS**

Inoculating by with
NITRAGIN
SINCE 1898

ALFALFA
RED CLOVER
SWT. CLOVER
COWPEAS
PEAS
VETCH
A. W. PEAS
SOYBEANS
LESPEDEZA
PEANUTS
BEANS
ALL-LEGUMES

1945 NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA

Sweet, Bur, Hubam Clovers

Size	Retail
1 bu. ea.	\$.50
2½ bu. ea.	1.00

CLOVERS

Medium & Mammoth
Red, Alsike, Crimson &
White Clovers

1 bu. ea.	\$.50
2½ bu. ea.	1.00

PEAS (All Varieties)

VETCHES (All Varieties)

100 lb. size (Inoculates up to 100 lbs.) ea.	\$.50
1200 lb. size ea.	5.70
(12-100 lb. size cans)	

**BEANS—Navy, Pinto, Wax,
String, Kidney, Gr. Northern**

1 bu. ea.	\$.35
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LESPEDEZA Hulled or Unhulled

100 lb. size (Inoculates up to 100 lbs. seed)	\$.50
---	--------

PEANUTS, LIMA BEANS, COW PEAS

Size	Retail
Small (Inoculates up to 120 lbs. seed)	\$.30
5 bu. ea. ....	.55
25 bu. (one can) ea.	2.50
30 bu. (one ctn.) ea.	3.25
(Contains 6-5 bu. cans)	

SOYBEANS (All Varieties)

Small (Inoculates up to 120 lbs. seed)	\$.30
5 bu. ea. ....	.55
25 bu. (one can) ea.	2.50
30 bu. (one ctn.) ea.	3.25
(Contains 6-5 bu. cans)	

LUPINES (All Varieties)

100 lb. size (Inoculates up to 100 lbs. seed) ea.	\$.50
---	--------

GARDEN SIZE

Garden Peas and Beans
Sweet Peas, Lupines and
Edible Soybeans

Enough for 8 lbs. seed Retail Price 10c each.	
--	--

BUCKWHEAT

Sow 50 to 60 lbs. per acre.

JAPANESE. This is the largest growing buckwheat. The plant makes a more vigorous and larger growth than the common kind and yields more. Adapted throughout the Northwest.

SILVER HULL. The kernels are gray and are much smaller than the Japanese variety. They are very plump and heavy and make excellent flour. Also adapted throughout the Northwest.

CLOVER

MAMMOTH RED CLOVER. Also called "Pea Vine" Clover. This variety grows larger and coarser than the medium and is often used for plowing under to enrich the soil. American grown seed. 6 to 10 lbs. per acre.

LADINO WHITE CLOVER. Is a very large form of clover, usually making a growth of 8 to 12 inches. A perennial. The stems lie flat on the ground and commonly root at the joints. Can be grown on rather shallow land where well supplied with humus and moisture. Medium heavy types of soil. Sow 4 to 6 lbs. per acre.

WHITE DUTCH CLOVER (Trifolium repens). A very hardy creeping clover, which adapts itself to a great variety of soils and climates. Superior for pasture either for sheep or cattle. As a bee pasture it is unexcelled. Sow 6 to 8 lbs. per acre.

YELLOW SWEET CLOVER, BIENNIAL (Melilotus officinalis). In great demand on account of its earliness, being about two weeks earlier than the white. Produces high quality hay. Sow 12 to 15 lbs. per acre.

WHITE SWEET OR BOKHARA CLOVER, BIENNIAL (Melilotus Alba). Excellent for pasture, hay and a soil improver. More drouth-resistant than alfalfa and will generally produce a large crop of seed and hay the second year. Thrives on light alkali soil. Sow 12 to 15 lbs. per acre.

RED CLOVER (Trifolium pratense). Is excellent for pasture and hay purposes. Will thrive in slightly wetter and more acid land than alfalfa. Is used in the higher altitudes and colder sections. Sow 6 to 10 lbs. per acre.

ALSIKE (Trifolium hybridum). Very hardy, adapted for sowing on cold, wet land. It yields a large amount of hay or pasture and is a good bee plant. Sow 8 to 10 lbs. per acre.

FIELD CORN

See Vegetable Seed, page 7.

FLAX

FLAX may be grown with good success in the West. It matures quickly and may be planted as late as the middle of June and mature seed. Yields 10 to 20 bushels per acre. May be used with success as a nurse crop for clovers and grasses where there is plentiful summer moisture. Sow 42 lbs. per acre.

GRASSES

BROMUS INERMIS (Awnless Brome Grass). The best grass we have for the drier regions of the Northwest. Grows luxuriantly, is freely eaten dry or green by cattle. Sow 25 to 30 lbs. per acre. Spring or fall.

MEADOW FESCUE (Festuca pratensis). This is a very valuable species for permanent grass lands and is relished by livestock both as hay and pasture. Sow 15 to 20 lbs. per acre on well prepared soil.

NITRAGIN—Oldest and Most Widely Used Inoculator in America

OAT GRASS, TALL MEADOW. The earliest grass to start in the spring and holds well into the fall. Withstands rather dry, warm and cold conditions much better than many other grasses. A long-lived, deep rooted perennial. Grows equally on bottom or upland. Sow 20 to 30 lbs. per acre.

OREGON RYE GRASS. Similar to Italian. The finest rye grass grown; superior to imported. Sow 25 lbs. per acre.

TIMOTHY (*Phleum pratense*). This is a very valuable grass for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Sow 8 to 10 lbs. per acre.

PASTURE MIXTURE FOR BURNED-OVER LAND. A blend of grasses for sowing on burns and logged-off lands. Splendid value and very economical for such purposes. Sow 10 lbs. per acre.

SUDAN GRASS. An excellent annual drouth resisting forage plant. All stock relish it. Seed in spring after soil is warm. Sow 20 to 30 lbs. per acre.

RED TOP (*Agrostis alba*). A valuable grass for most soils. It is a good, permanent grass. It should be grazed close. Grows successfully on "alkali" bottom lands, where other grasses failed. Sow 10 to 15 lbs. per acre.

KENTUCKY BLUE GRASS. This is an excellent grass for pasture for all kinds of stock. It is very hardy. The roots form a tough sod. Blue Grass requires two years to get well started and for that reason is often sown in mixture with other grasses. Sow 20 to 25 lbs. per acre.

CRESTED WHEAT GRASS. This is the valuable plant for our Western country and thrives well in semi-arid sections. It is one of the best and surest hay grasses for these sections. It withstands drought and the cold winters. As a mixture it does fine with Brome grass. Sow 10 to 15 lbs. per acre.

SUPERIOR REED CANARY GRASS. A hardy perennial grass which succeeds in spite of long summer dry periods. It differs from the lowland type or regular Reed Canary Grass in that the growth is more upright, leaves more numerous and of a lighter green color. Its stems are upright and comparatively stiff but not harsh. Primarily a pasture grass with a long life, long grazing season and produces a large quantity of very succulent, palatable forage. Sow 5 to 12 pounds per acre broadcast.

ENGLISH RYE GRASS (*Lolium perenne*). A strong growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. Sow 25 to 30 lbs. per acre.

ITALIAN RYE GRASS (*Lolium multiflorum*). A quick growing grass, attaining a height of 2½ to 4 ft., desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Sow 25 lbs. per acre.

ORCHARD GRASS OR COCKSFOOT (*Dactylis glomerata*). Valuable if planted alone or mixed with other grasses. Very often mixed with White Clover, Red Clover and Rye Grass. Sow 20 to 28 lbs. per acre.

MILLETS

GERMAN OR GOLDEN (*Chactochloa Italica*). Will grow on any good land and yields heavily when irrigated. Yields from 30 to 40 bushels of seed per acre, and is excellent food for stock and poultry. Also a good green fodder and hay plant.

HOG OR PUOSO. The seed is large. Feeding value almost equal to corn. It is a valuable feed for hogs and cattle as well as for birds and poultry.

FIELD PEAS

AUSTRIAN WINTER PEAS. Here is the ideal forage legume for hay, ensilage or for pasture. The vines and pods are almost as large and heavy as garden peas. The vines are relished by all kinds of stock. Plant in the fall for best results. Will not winter-kill. Does well under irrigation and in relatively humid sections. Sow 30 to 35 lbs. per acre.

FIRST & BEST. This legume has the distinct advantage of being suited to late planting. May be used for summer green manure crop. Requires considerable moisture. Sow 120 to 150 lbs. per acre.

RAPE

DWARF ESSEX. This crop is very highly recommended for pasturage for sheep, cattle, and hogs. It also makes splendid green feed for poultry. Plant in early spring. Requires fertile, moist soil. Sow 10 lbs. per acre.

VETCH

Sow 40 to 60 lbs. per acre.

COMMON VETCH. Resembles peas and valuable for forage and green manure. As a hay crop it is generally sown with oats or wheat to afford support for the vines. Usually sown in the fall. Best adapted to sections west of Cascade mountains.

HAIRY VETCH (*Vicia Villosa*). Thrives on sandy soils that may be somewhat low in fertility, and makes a better growth during the cold season than the other varieties. Has very wide adaptability.

SOYBEANS

SOYBEANS are annual legumes widely adapted to various soils. Soybeans hay is one of the best roughages and when mixed with corn they make splendid ensilage. When harvested for seed, they should not be cut until pods are fully matured and the beans hard. Sow 25 lbs. per acre.

SUNFLOWER

MAMMOTH RUSSIAN. Heavy producer of forage and seed. Of value for silage and seed production. Plant 10 pounds per acre.

VIGORO RECOMMENDATIONS For Field Crops

Field Peas and Grain: 150 lbs. Vigoro per acre drilled in as deeply as possible before seeding.

Lettuce, Cabbage, Tomatoes, Peppers: 400 lbs. Vigoro per acre to be used as a side dressing after plants are established. After 5 to 6 weeks apply an additional 400 lbs. per acre, in irrigation rills.

Strawberries (Spring): Side dress 600 lbs. to 800 lbs. Vigoro per acre early in spring.

Raspberries Apply 600 lbs. to 800 lbs. Vigoro per acre between rows, plowing under, early in spring.

Everbearing Strawberries: Side dress in irrigation rills, at rate of 500 lbs. per acre, about every six weeks through growing and bearing season.

Beans: Broadcast and plow under 400 lbs. to 600 lbs. Vigoro per acre before planting.

MOON SIGN BOOK



FOR YOUR VICTORY GARDEN AND YOURSELF

This valuable publication is compiled annually by LLEWELLYN GEORGE, well known author and lecturer.

In addition to much other interesting matter it gives best dates for Farming, Gardening, Planting, Fishing, Poultry Raising, Business and Personal Affairs, etc., according to the correct Moon Sign.

The Moon Sign Book has been published annually for 39 years with increasing sales each year. (Now 40th year.)

Customers recommend this Popular Daily Guide as the best book on this subject—Get in Harmony with Nature—It pays! A mine of helpful information—Used successfully by thousands in practically all walks of life. Sold on the publisher's unconditional guarantee, money back if not satisfied. 256 pages. Always the same price, \$1.00 in the U. S. A.

A CONDENSED LIST OF PLANTS — Postage Extra

	Each	12	50	100	1000
CABBAGE, Early and Late Varieties, transplanted.....	..	.25	.75	1.25	10.00
CABBAGE, Early and Late Varieties, field grown.....	..	.20	.40	.75	5.00
CAULIFLOWER, Early, Transplanted.....	..	.30	.85	1.50	10.00
CAULIFLOWER, Early, Field grown.....	..	.25	.65	1.00	7.50
CELERY, Utah and Golden Self Blanching, Transplanted ..	..	.25	.75	1.25	10.00
TOMATOES, All Varieties, Transplanted.....	..	.30	.80	1.50	12.50
EGG PLANT, Transplanted .....	..	.30	.80	1.50	12.50
PEPPERS, All Varieties, Transplanted.....	..	.30	.80	1.50	12.50
LETTUCE, New York, Transplanted.....	..	.25	.65	.85	10.00
SWEET POTATOES .....	..	.30	.85	1.50	10.00
ASPARAGUS ROOTS, 2 years .....	..	.50	1.50	2.50	20.00
RHUBARB ROOTS, 2 years .....	.25	2.00	...	...	...
HORSERADISH .....	..	.35	1.25	2.00	...
SAGE, Seedlings .....	..	.50	...	...	...
STRAWBERRIES, Everbearing Mastodon, Gem.....	..	.50	1.75	3.00	25.00
STRAWBERRIES, Standard, Dorsett, Marshall, Fairfax..	..	...	1.35	2.00	15.00
	Each	10	50	100	1000
RASPBERRIES, Red, Latham, Cuthbert, Newburgh.....	.15	1.00	3.00	6.00	...
RASPBERRIES, Everbearing, Indian Summer.....	.20	1.50	4.00	8.00	...
RASPBERRIES, Black, Gregg or Cumberland.....	.20	1.50	4.00	8.00	...
LOGANBERRY .....	.20	1.50	5.50	10.00	...
BLACKBERRY, Mersereau, Snyder.....	.20	1.50	5.50	10.00	...
DEWBERRY, Lucretia .....	.20	1.50	5.50	10.00	...
YOUNGBERRY, Thornless .....	.30	2.50	...	...	...
BOYSENBERRIES .....	.30	2.50	...	...	...
GRAPES, Concord, Moore's Early, Worden, Agawam, Niagara .....	.50	4.00	...	...	...

NOTICE—All prices F.O.B. Lewiston, or Spokane. Add postage at zone rate, or we will ship by express.
Add Sales Tax in Washington.

CERTIFIED SEED POTATOES

Our SEED POTATOES are the very finest stock.

Only high yielding hills and selected tubers are used in production of this Supreme Quality seed stock.

IRISH COBBLER—Splendid creamy white potato for early market. Large, round, sometimes slightly netted. Will bake dry and mealy, even before ripe. Extra early.

10 lb. postpaid 3rd zone, \$1.50.

Write for quantity prices.

THE NEW KATAHDIN—To enable as many as possible of our customers to try this new Potato, we offer it in small quantities only, subject to being unsold.

Price postpaid 3rd zone, 10 lb. \$1.50.

BLISS TRIUMPH—Recognized as one of the very earliest varieties. Is also a good keeper. Very productive. Tubers round, pink skin, flesh very white and of excellent flavor.

10 lb. \$1.50, postpaid 3rd zone.

EARLY OHIO—One of the best early pink potatoes. Tubers round, oblong shape. Eyes rather shallow but strong. An old favorite that is still popular in many sections.

Price prepaid 3rd zone, 10 lb. \$1.50.

Write for quantity prices.



NETTED GEM — Russett Burbank, Yakima Gem, Idaho Russett, etc. A splendid main crop late potato that gives good results in dry sections. Flesh white; eyes are flush with surface; good keeper and produces a fine yield. Tubers are elongated, medium sized with russett skin. This is the variety grown extensively by irrigation in Washington and Idaho for baking. Our stock is extra choice of the most improved type.

Price prepaid 3rd zone, 10 lbs. \$1.50.

Write for quantity prices.



CYAN-O-GAS

Used to control ground squirrels. Sure to get them. Also used effectively on ants, rats and insects. Comes in granular form or dust to use in dust gun.

Prices F. O. B. Lewiston or Spokane. Cannot be mailed.

SIZE CONTAINERS

¼-pound size	\$.30
1-pound size .....	.80
5-pound size	2.60
25-pound size	6.40

SEMESAN BEL

For Seed Potatoes. Potato diseases cause a loss equivalent to the yield of one acre in every five or six acres planted. One pound treats 16 to 22 bushels of seed.

2 oz.	\$.30
1 lb.	1.65
5 lbs.	7.15
25 lbs.	33.65

SEMESAN

For vegetable and flower seeds. Kill the harmful disease organisms on the seed with Semesan before planting. 1/3 oz. 10c; 2 oz. 40c; lb. \$2.50; 5 lbs. \$11.40; 25 lbs. \$52.50.



NEW IMPROVED CERESAN

Generally controls stinking smut or bunt of wheat, barley covered smut and stripe, and loose and covered smuts of oats. One treatment for all three grains. Only one-half ounce of New Improved Ceresan is needed to treat a bushel of seed. New Improved Ceresan is quickly and easily applied as a dust by means of a rotary seedtreater or by the shovel method. After treating, the seed should be stored in a pile or sacks for 24 hours before planting. Price:

4 oz. 30c; 1 lb. 80c, postpaid 90c.

COPPER CARBONATE for Treating Wheat

Eighteen per cent copper carbonate is used in dry areas where less danger of smutting is encountered.

5 lb. 95c.

50 PER CENT COPPER CARBONATE

Used generally by farmers of this section. Universally accepted as best wheat treatment for smut.

5 lb. \$1.25, f.o.b. Lewiston or Spokane.

ARNOLD SOLID SOLUBLE INSECTICIDE CARTRIDGES

Nic-O-Spray Cartridges—	35c each—12 for \$4.00
Arsen-O-Spray Cartridges—	35c each—12 for \$4.00
Fung-O-Spray Cartridges—	35c each—12 for \$4.00
Sulph-O-Spray Cartridges—	35c each—12 for \$4.00

BLACK LEAF 40

PAINT THE ROOSTS



WITH "BLACK LEAF 40"

— Destroys aphids, thrips, leaf hoppers on all trees, bush and vine plants, vegetables, field crops, flowers, shrubs; also apple red bug, pear psylla and similar soft-shelled suckling insects — without injury to foliage. It is also a control for poultry lice by painting the roosts with it. Combines

readily with other sprays. 40 per cent nicotine.

1 oz makes 6 gallons of spray.....\$.36

5 oz. \$1.00; 1 lb. \$2.25; 2 lb. \$3.25.



HARCO HAND SPRAYER

Prevent and kill destructive pests with HARCO Hand Sprayer. Only professional-type Sprayer priced so low. Long extension rod quickly sends insecticides onto tops of tall shrubs, reaches undersides of small plants, penetrates hard-to-reach places. Durably made, trouble-free. Sprays up, down, sideways, without adjustment.

A GERMACO product. Price only \$2.35.



ROOT MAGGOT CONTROL VEGETABLE SPRAY

For 30 Years the Most Effective for the Protection of Cabbage, Turnips, Cauliflower, Beets, Radishes, Onions, Etc.

Begin using "CARCO" early in Spring and through Summer

½ Pint, 50c; Pint, 75c; Quart, \$1.25. Larger sizes priced depending on availability of containers.

Spratt's Dog Foods and Medicines



SPRATT'S—"Meat-Fibrine" Dog Biscuit Foods are the best dog foods you can feed. Write for Spratt's new 48-page illustrated **DOG BOOK (FREE)**.

SPIX DOG BISCUITS—Bone-size biscuits. Ideal daily diet for all breeds. Per lb. 15c.

OVALS C.L.O.—Small "pocket" biscuits. Per lb. 15c.

CHARCOAL OVALS—Keep intestines clean. Per pound 15c.

FIBO—Highly nourishing granulated food with egg in addition to meat. 1 lb. 16c.

ADD POSTAGE

ORTHO Rat Bait Pellets

Ready to use Red Squill Baits which are relatively harmless to humans and domestic animals. Poisoned rats seek underground burrows before dying. 2 oz. 25c, 6 oz. 50c.

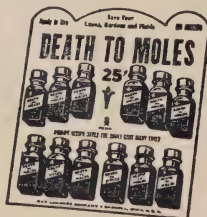
ORTHO Rodent Destroyer

A poisoned ration of barley, wheat, oats and fruit pellets used against Rats, Mice, Squirrels, Gophers, Prairie Dogs. 6 oz. 30c, 1 lb. 60c, 5 lbs. \$2.25.

RAT LUNCHES

Rats dine then die when they eat **RAT LUNCHES**! The old reliable! Safe to use anywhere in the Home, Factory, Mill, Warehouse, Poultry House, etc. 25c and 50c size. Guaranteed effective. Kills rats only.

**SAVE
YOUR
LAWNS**



DEATH TO MOLES

Guaranteed to kill moles. Enjoys record of over 30 years success to users everywhere. Can you ask for better? 25c size.

SPRATT'S DOG MEDICINES

Dog Worm Capsules (large size)	\$.80
Dog Worm Capsules (small size)	.10
Puppy Worm Capsules (large size)	.60
Puppy Worm Capsules (small size)	.10
Dog Trot (for female dogs in season)	1.00
Cough Tablets	.60
Eczema Ointment	.60
Mange Liquid	.75
Nerve Sedative Tablets	.60
Special Tablets—Dog (distemper)	1.00
Special Tablets—Puppy (distemper)	1.00
Sulfur Tablets (blood-cooling)	.60
Tapeworm Tablets	.60
Black Flea Soap	.30
White Dog Soap	.25
Dry Cleaning Powder	.30

SPRATT'S CAT FOODS, ETC.

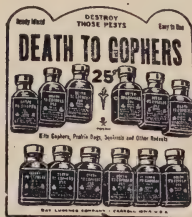
CAT FOOD —(Granulated biscuit food with meat, fish and milk) per carton	.30
Catnip Leaves (package)	.10
Catnip Mouse	.10
Cat Worm Capsules (large size)	.60
Cat Worm Capsules (small size)	.10
Kitten Worm Capsules (large size)	.60
Kitten Worm Capsules (small size)	.10

We also carry a full assortment of Dog Collars, Leads, Harness, Combs, Brushes and other dog accessories. Write for prices.

A RAPID KILLER FOR MICE DEATH TO MICE

Guaranteed to destroy all mice. More convenient than traps or other preparations. Unattractive to dogs, cats, or other pets but **SURE DEATH TO MICE!** 25c and 75c size.

**SIMPLE,
BUT EFFECTIVE**



DEATH to GOPHERS

Kills gophers, prairie dogs, squirrels, groundhogs and other rodents. Over 30 years of success. Consists of blend of foods which rodents seek in which poison is concealed. Rodents eat it then die! Big market among golf and country clubs, park and cemetery associations, fruit growers, etc. 25c, 50c and \$1.00 sizes.

ROUGH & READY CANDY RAT BAIT

Rough and Ready Candy Rat Bait is making homes safe and comfortable. The easy modern way to kill rats, its freshness sealed in and instantly ready to use. Rough and Ready Rat Bait is made of Oven Dried Red Squill, that is so highly recommended by Dept. of Agriculture. Guaranteed Non-Poisonous and harmless to pets, poultry and human beings. **THEY DON'T STINK.** 25c a bag. Postage Extra.

POULTRY REMEDIES

LEE WAY

The LEE LINE of remedies has been developed by years of laboratory research and testing on poultry flocks. We carry a complete stock and can fill mail orders promptly. The 1943 Lee Way Poultry Book explains the prevention, diagnosis, and treatment of costly poultry trouble. Ask us for your free copy.



GERMOZONE

Digestive troubles account for much death loss in chicks and poults as well as chronic unthriftiness in older birds. Many such disorders can be prevented by regular use of Germozone in the drinking water. This "triple action" medicine works in the drink, crop, and intestines. The powerful antiseptic properties in the drinking water change to protection and astringency within the bird. Thousands of poultrymen use Germozone through the whole year.

		Postage
4-ounce	\$.40	\$.05
12-ounce .....	.75	.10
32-ounce	1.50	.16
1/2-gallon	2.50	.24
1-gallon	4.50	.38

ACIDOX

During the past five years Acidox has proved its value for chicks and poults from three weeks to three months of age. Acidox is the medicine of choice in Coccidiosis. Many turkey raisers have reported fine results for similar troubles in poults.

The controlled Acidity makes Acidox easy to use in the drinking water, and prevents damage to utensils. This medicine is so palatable that flocks will invariably consume more water. No change in feed is necessary in the Acidox-Germozone method.

		Postage
4-oz. bottle	\$.50	\$.05
12-oz. bottle	1.00	.10
32-oz. bottle	2.00	.16
1/2-gal. jug	3.50	.24
1-gal. jug	6.50	.38



GIZZARD CAPSULES

The only way to get a measured dose of worm medicine to each bird is by individual treatment. That is why millions of Gizzard Capsules are used every year. Worms are a health hazard to most flocks, and a systematic fight must be made to keep infestation down. Part of the program is the use of Gizzard Capsules twice each year.

Gizzard Capsules offer a combination of advantages. The patented insoluble coating assures the crushing of the capsule and release of medicine in the gizzard instead of the crop. There is no loss of egg production and no sick birds when directions are followed. Most of the large tape worms will be removed head and all from both chickens and turkeys. Gizzard Capsules are also effective of course against large round worms.

	Adult	Pullet	Chick
Can of 50	\$.75	\$.50	\$.40
Can of 100	1.25	1.00	.75

TONAX

This is a tonic and conditioner with a purpose. It supplies appetizers, astringents and blood building elements useful to flocks of all ages. Just put 1 pound of Tonax to every 100 pounds of mash used.

2-lb. package	\$.75
6-lb. package	2.00
25-lb. package	7.50

LEEMULSION

For symptoms of colds, wheezing, and bronchitis in emulsion form for feed or drinking water treatment. First choice for chicks.

		Postage
4-oz. bottle	\$.50	\$.05
12-oz. bottle	1.00	.10
32-oz. bottle	2.00	.16

VAPO-SPRAY

A powerful inhalant spray for Colds and Bronchitis. No mixing with water.

		Postage
1 pint	\$.50	\$.10
1 quart .....	.75	.16
1 gallon	2.00	.38



LEE'S LOUSE POWDER

Convenient for small flocks, and even used by many large scale raisers. Effective and economical. Sifter top can.

		Postage
1 pound	\$.25	\$.10
2 1/2 pound .....	.50	.12

LEE'S LICE KILLER

The best product for mite control, and satisfactory in many cases for both lice and mites. An old product gaining new popularity.

		Postage
1 quart	\$.60	.12
1 gallon	1.50	.12

LEE'S PERCH PAINT

A strong Nicotine delouser for use on perches. The easiest method of solving the lice problem.

		Postage
1/2 pint	\$.85	\$.10
1 pint	1.50	.12

PICK PASTE

A blood colored ointment to help in cannibalism.

2 oz. tube	\$.25
6 oz. jar .....	.60



PLEASE INCLUDE
POSTAGE WHEN YOU
ORDER

BIGGER PROFITS WITH DUTHIE'S BABY CHICKS IN 1945



GRAND CHAMPION COCKEREL OF THE ENTIRE SHOW
AT THE PANHANDLE POULTRY SHOW

A Rhode Island Red which is mated with one of Duthie's flocks. He is also from a line of Champions at filling the egg basket. His dam laid 222 eggs in her pullet year and his sire's dam laid 241 eggs in one year.

Our flock owners are each striving to produce the very best possible in their own breed and we feel that with each one specializing in one particular breed, it is possible to supply better chicks to our customers than it would be where one party was trying to produce many breeds and not giving the best of their efforts to any one breed. This is a day of specialization and we believe our customers profit by our specialization in our production of better chicks.

All of our flocks are Pullorium tested for B. W. D. Sanitary measures are carreird out to insure our customers of healthy, strong chicks which carry breeding for high egg production and other desirable traits according to breed, which make for better profits in poultry.

Breeding wins in egg production and disease resistance in fowls just as it does on the track in the Kentucky Derby. Visit our flocks and see what they are doing. Be sure of the best and order **DUTHIE'S BETTER BABY CHICKS FOR BETTER POULTRY PROFITS IN 1945.**

NEW HAMPSHIRE REDS

Duthie's New Hampshire Reds are bred for fast development and high egg production. The desirability of this breed as an all-purpose farm flock has made the demand for them grow until Duthie's New Hampshire Reds are leading in popularity as a dual purpose fowl. Due to size and fast development they are also desirable for caponizing. Be sure to book your order early in order to insure getting your baby chicks when you want them.

WHITE LEGHORNS

Duthie's White Leghorns are selected for high egg production of large white eggs and for healthy, vigorous birds. Our Leghorns come from flocks that are bred for production and profit and we can highly recommend them to our customers as being birds that will pay.

RHODE ISLAND REDS

Duthie's Rhode Island Reds are mated to meet the needs of the poultry producer. They have proven themselves outstanding both in the show room and at filling the egg basket. They are a very desirable dual purpose fowl. Our breeders are carefully selected and are healthy, vigorous birds.

BUFF ORPINGTONS

Duthie's Buff Orpingtons are selected carefully for healthy, vigorous birds with good egg producing qualities. An outstanding meat fowl.

LEGORCAS

Duthie's Legorcas have made a name for themselves as sturdy, fast developing birds which produce lots of large white eggs. Our customers find this breed so satisfactory in egg production and vitality that having once had them they refuse to buy any other breed. They are a cross of pure bred, high production white leghorns and pure bred, high production black minorcas. The hybrid vigor and productivity makes them a real buy.

BARRED PLYMOUTH ROCKS

Duthie's Barred Plymouth Rock flocks are from trap-nested, high egg producing parentage and are carefully selected for egg producing qualities as well as being a very desrable meat fowl. They also make excellent capons. Males used in our flocks are from high egg producing hens and some of our males have sisters which have produced over 250 eggs in their pullet year. The same breeding would cost much more elsewhere.

PRICES

	Per 500	Per 100	Per 50	Per 25
Leghorns (Hollywood Stock).....	\$77.50	\$16.00	\$ 8.50	\$ 4.50
Legorcas	80.00	16.50	8.75	4.75
Hamp Reds	80.00	16.50	8.75	4.75
R. I. Reds.....	80.00	16.50	8.75	4.75
Barred Rocks	80.00	16.50	8.75	4.75
Buff Orpingtons	85.00	17.50	9.25	5.00

We Are Again Offering "LEE'S LIVELY CHICKS"

Every bird in each breed is individually handled in culling and blood testing for B. W. D. Very careful selections of individual birds are made with special attention being given to remove any bird too small or too large for the breed, off-color birds, all deformities and other objectionable characteristics.

Unsexed baby chicks, carefully boxed and ventilated, to arrive 100 per cent live delivery as guaranteed.



	Per 25	Per 50	Per 100 or more		Per 25	Per 50	Per 100 or more
White Leghorns:							
Regular	\$4.50	\$8.75	\$16.50	Barred Rocks	\$5.00	\$9.00	\$17.00
Special Hanson Strain.	5.50	9.75	18.50	New Hampshire Reds....	5.50	9.00	17.00
White Leghorn-Black				White Wyandottes	5.50	9.75	18.50
Minorca Cross	5.25	9.25	17.50				
Rhode Island Reds.....	5.25	9.00	17.00				

SPECIAL MATINGS

For those who desire special foundation stock or chicks above average quality, we offer Special Mating Chicks of special value in White Leghorns, Rhode Island Reds, Barred Rocks, Black Minorcas, White Minorcas, White Wyandottes, New Hampshires and Buff Orpingtons at 2c over regular prices.

DAY OLD PULLETS

Be wise—Use the latest method of saving money. If you want Pullets don't buy Cockerels.

Our sixth season in selling Day-old Pullets. All selections made by a properly qualified or licensed Baby Chick Sexing Expert.

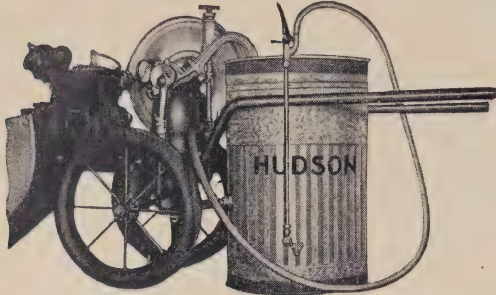
	Per 25	Per 50	Per 100 or more		Per 25	Per 50	Per 100 or more
White Leghorns:							
Regular	\$9.00	\$17.00	\$33.00	Barred Rocks	\$7.25	\$14.00	\$26.50
Special Hanson Strain....	9.50	18.50	36.00	New Hampshire Reds.....	7.25	14.00	26.50
White Leghorn-Black				White Wyandottes.....	7.75	15.00	28.00
Minorca Cross	9.25	18.00	35.00				
Rhode Island Reds.....	7.25	14.00	26.50				

WE GUARANTEE 90% PULLETS

Adjustments. If order should contain more cockerels than guaranteed, proper verification must be forwarded to us within 12 weeks of shipment. In such case we will refund the full price of the Day-old Pullets for the number of Cockerels in excess of the guarantee.

SPECIAL MATING PULLETS 3c EACH ADDITIONAL

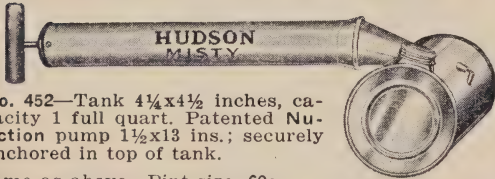
HUDSON DEFENDER — Power Operated



No. 1044-S — The Hudson Defender provides an ideal power-operated portable unit for greenhouses, nurseries, golf courses, cemeteries, private estates, small orchards, truck gardens, etc., with insecticides, fungicides and similar spray materials for protecting trees, shrubbery, flowers, lawns, crops, etc. Adapted for commercial and industrial uses.

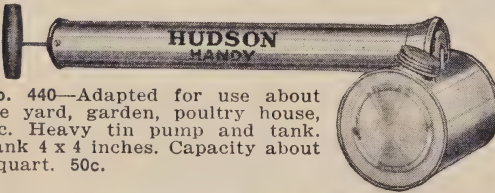
Engine: ½ H.P. single cylinder, 4 cycle air-cooled type, 1700 to 1900 R.P.M. Pump: single cylinder 1½ inch bore, 1¼ inch stroke. Regulator relief valve adjustable for any pressure. Pump operating speed ranges from 250 to 300 R.P.M. Streamlined hood over working parts is easily removed. Tank: 18 gallon capacity, corrugated galvanized steel; securely reinforced top and bottom. Discharge equipment: 10 feet of ¾ inch high pressure specially moulded spray hose, 2 foot brass extension, perfection automatic shut-off which can be locked open for continuous discharge, and all brass nozzle adjustable for any position, and for any spray from fog to solid stream. Shipping weight about 153 pounds. Priority required. \$142.00, f.o.b. Spokane.

NU-ACTION PUMP



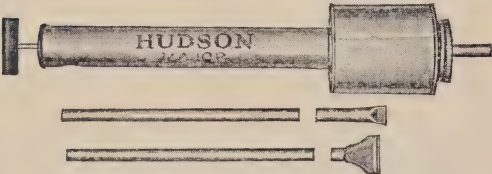
No. 452—Tank 4¼x4½ inches, capacity 1 full quart. Patented Nu-Action pump 1½x13 ins.; securely anchored in top of tank.

Same as above—Pint size, 60c.



No. 440—Adapted for use about the yard, garden, poultry house, etc. Heavy tin pump and tank. Tank 4 x 4 inches. Capacity about 1 quart. 50c.

HUDSON MAJOR



No. 665—For use with Paris Green, Arsenate of Lead, Calcium Arsenate and similar poisons. Made of heavy tin. Pump 1¾ inch diameter, 13 inch stroke, fitted with air valve to prevent powder entering pump. Large filler cap. Equipped with two 12-inch extension tubes, one straight narrow tip and one wide angle tip. \$1.15.



CYCLONE SEED SOWER

Machine is designed with extra heavy gears and brass bushed bearings for hard service and long wear.

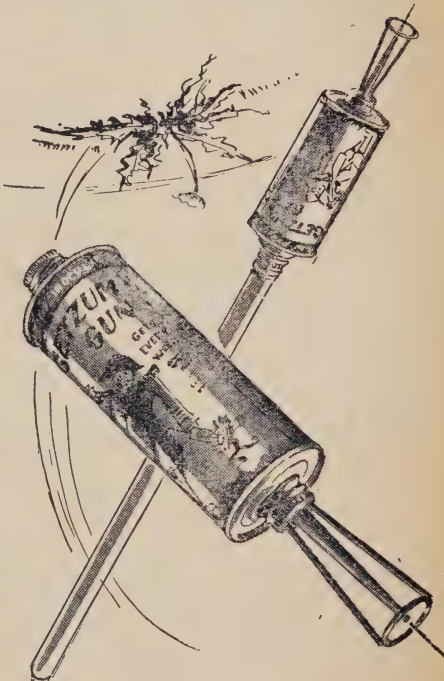
Cyclone Sower
\$2.50

Postpaid \$2.75

WIL-BO SEEDER

Wil-Bo Seeder is easy to use and is an accurate seeder, adjustable. Seeder will pay for itself first time used in seed saved.

POSTPAID \$1.00



KILL WEEDS THE EASY WAY

With the New Model
GETZUM GUN

Complete only \$1.75.

Ask your dealer for pamphlet describing theory of weed killing.

POULTRY EQUIPMENT

4-GAL. FLOAT TYPE

Big enough for grown stock. To fill simply remove cone top. To carry lift by bail, then patented double acting valve shuts off flow.

The float control has a giant 5½-in. copper float for extra pressure and sure action. All edges are rolled, the pan is of extra heavy steel, and the entire fount is hot dipped to deliver more service per dollar.

With exclusive trigger lock pan. Found only on Macomb Founts (pat. appl.). Locks securely, releases easily. Hang this fount from the ceiling, up out of the litter.

No. G1-4—With "Trigger Lock" Pan, each.....\$2.50
Weight 7 lbs. (1 to ctn.)



No. G25



No. C3—3 Gallon



No. A4



G1-4

No. B35 FOUNTAIN—Clear glass. Each.....\$.14

No. G25 FOUNTAIN—Galvanized. Each..... .14

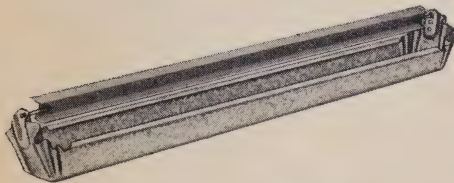
A Handy-Fill Chick fountain equipped with a snap-on cupped pan. This provides more drinking space. Cups are designed to prevent chicks getting in the water. The fountain is inverted for filling. Can be carried when full without spilling. Trimmied in red enamel, equipped with carrying handle.

No. A8 FOUNTAIN—Capacity 2 gals. Each.....\$1.25

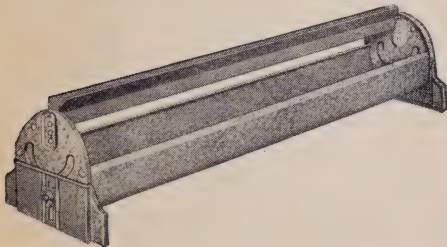
No. C3 FOUNTAIN — Capacity 3 gallons. Height 12½ inches, 11 inches diameter. Each.....\$1.90

No. C5 FOUNTAIN—Capacity 5 gallons. Height 14 inches, 15 inches diameter.

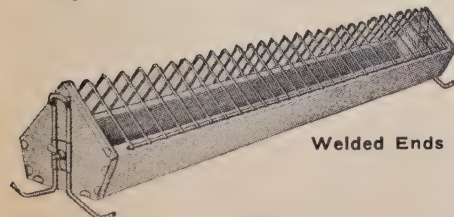
LARGE ONE PIECE WITH "Z" REEL



LARGE CHICK FEEDERS



BROILER AND POULT FEEDER



Welded Ends

A one-piece die stamped feeder of larger feed capacity. Feeder body is 1¾ inches high, 2¾ inch bottom width and 4 inch top width. Trough end 3½ inches high. Three point reel adjustment. Trough has curved feed saving lip for feed economy. Equipped with a wide balanced one-piece four point reel, enameled red on shouldered reel pins to prevent caught or injured chick toes.

No. 224 FEEDER—Length 24 inches.....\$.55

No. 236 FEEDER—Length 26 inches..... .70

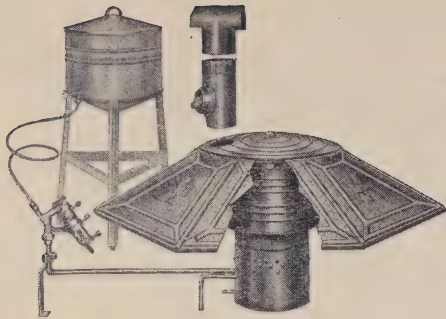
Welded Ends

Sanitary flat bottom feeder, 2¾ inches deep, 4 inch top width with ½ inch folded feed-saving lip. All round edges to prevent feed packing; easily cleaned; extra capacity at a low price. Four blade balanced reed mounted on shouldered reel pins, adjustable to four positions, prevent injury to chicks. Equipped with rigid, adjustable non-tip stand quickly adjusted from one position to another.

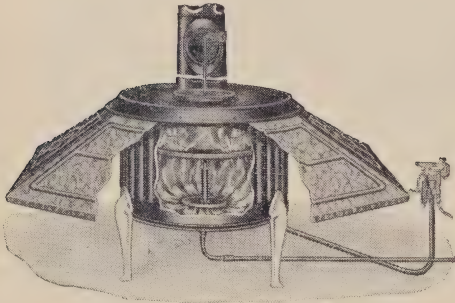
No. 548 FEEDER—48 inches long.....\$1.70

A large capacity grill top feeder for chicks and broilers and poults. Improved adjustable wire legs, tip-proof, heavy steel trough, 6½ inches wide, 3 inches deep, full 1 inch feed saving lip. Furnished in three lengths, wires spaced 1½ inches.

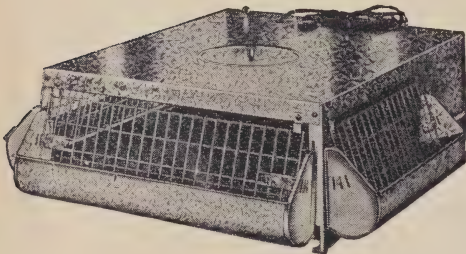
No. 748—Length 48 inches. Weight 24 lbs.....\$2.30



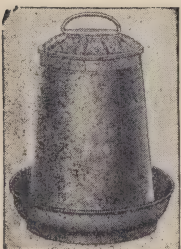
H-256-B



A8-2056



C2-20



G8-20

so chicks get real protection. It is insulated, super efficient, draws only 45 watts and carries Underwriters' Approval. Adjusts up as chicks grow—needs no watching.

The feed troughs are oversize. The side grids adjust feed opening, lock shut, or lift off. Every chick is in easy reach. Entire unit built of heavy 26 ga. galvanized steel. Size inside 24x36 in., headroom 9½ in. Capacity, 85 to 7 days, 60 to 21 days old.

C2-20 Electric Silver Hen—38 lbs.....\$9.90

G8-20—WITH ROUND ROLLED EDGE PAN. More drinking space, and very easily cleaned. Each fount carefully gauged to uniform size for sure, smooth snap-lock of pan to can. 5-quart, each.....\$.75

HUDSON "SAFETY-OIL" BROODER

Equipped with the New Safety Base and Hudson Silent Burner fully described below:

HOVER: Hexagon shaped with "Heat-Saver" top. Provides maximum heat circulation under Hover.

DRUM: 22 inch diameter, 10 inches deep. Heavy blued steel, corrugated sides with crowned top and bottom to prevent warping. Drum top opening cast iron collar and lid. Combustion chamber 11 inch diameter. Overall height 25 inches. 8 gallon fuel tank. Recommended for houses up to 14x14 and as many chicks as the building will accommodate to 6 weeks old. Pipe cap and draft regulator included. Completely factory assembled except for oil pipes and hover. Packed in 2 cartons. Wt. 76 lbs. Third class freight rate L.C.L.

H-256-B—Each \$30.25

MACOMB BROODERS

SPECIFICATIONS—9 gallon tank with rolled edge, snap-on lid, outlet screen and cloth filter—automatic draft adjuster—60-in. flexible tubing—overflow piping—removable inner drum, tank wall bracket.

AZ-2045—45 in. canopy, for 340 chicks. 56 lbs...\$18.45

AZ-2056—56 in. canopy, for 425 chicks. 61 lbs... 18.90

HUMANE OIL-O-STAT

SPECIFICATIONS—Details: Big 24-in. drum of blued copper bearing steel, full 13 in. deep with patented baffling and removable inner drum (Pats. 2082990 and 2094729), nine gallon tank, 7½ feet of strong flexible tubing, overflow pipe, draft adjuster, and a convenient, strong wall bracket for the oil tank. Only smoke pipe needed.

AZ-1956—56 in. canopy, for 445 chicks. 72 lbs...\$20.40

AZ-1965—63 in. canopy, for 500 chicks. 76 lbs... 20.90

MACOMB SILVER HEN

Raises chicks to 6 weeks old under most sanitary conditions. They live on the screen floor of ½ in. sq. mesh braced with steel rods. Droppings fall through to pan 1¼ in. below.

The Natureized Contact Heater in rear presents a big 13x24 in. surface heated to "old hen" temperature



A8-1965

POULTRY SUPPLIES

Leg Bands, Leghorn, per 100.....	\$.70
Leg Bands, Rocks and Reds, per 100	.80
Mascot Egg Scales, each.....	1.75
Egg Candler, Electric, each.....	3.50
Egg Sanders for cleaning eggs....	.40
Extra Bands.....	3 for .25
Lime Nest Eggs, per doz.....	.40
Brooder Wafers, Universal 3", each	.40

AEROIL WEED BURNER

Has no equal for burning weeds, tree stumps, destroying insect pests, and 100 other uses. Railroads are using these very extensively to keep their right of way free from weeds.

Complete Equipment Includes: 4 gal. fuel and air tank, tested at 100 lbs. and made of copper-bearing, corrugated, galvanized steel, with seams and fittings **WELDED**; 2 in. **BRASS AIR PUMP**; **BRASS** check valve; **PRESSURE GAUGE**; 7 ft. high test oil-resisting **RUBBER HOSE**; seamless steel **COIL BURNER**, **WIND-SHIELD** with **BRONZE REGULATING VALVE**.
Fuels used: Kerosene, stove oil, range oil or light furnace oil.

No. 99 Senior—23 lbs. Each \$20.95, add postage.



Plant Food Tablets

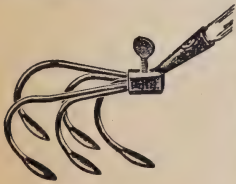
plus Vitamin B1

FULTON'S PLANTABBS provide all the food elements essential to stimulate healthy plant growth, increase vigor and encourage blooms PLUS the full, required amount of VITAMIN B1 and root producing hormones.

A rich, complete, balanced food and tonic in convenient, clean, white, odorless tablets for all flowers, plants, vegetables, fruits, shrubs, in fact everything that grows in soil. Each tablet a full meal that will not burn foliage. Either plant like seed, or dissolve and make liquid fertilizer. Results will amaze you. Use this new-day method of feeding.

10 TABLET BOX \$.10	75 TABLET BOX \$.50
30 TABLET BOX .25	200 TABLET BOX 1.00
GARDEN SIZE, \$2.75	

GARDEX "Soil - Flow" GARDEN TOOLS



No. 1605



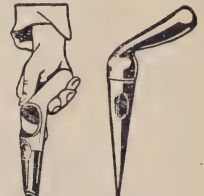
No. 110



No. 1523



No. 120



No. 750

No. 751

No. 1605—7 TOOLS IN ONE CULTIVATOR
A simple turn of wing screw changes this tool to a 1-2-3-4 or 5 prong cultivator. Ideal for work between rows, straddle rows or narrow places and for hot beds or green-houses. Popular with women. **Price \$1.60.**

No. 110—PULL-HOE WEEDER—The old chopping motion is not necessary with this new hoe, which is pulled through the soil. Its Diamond Point Share easily penetrates hard, dry or heavy soil, doing a perfect job of weeding and cultivating.

1 share, 5" width—**Price \$1.60.**

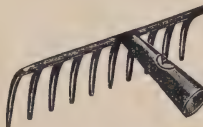
2 shares, 8" width—**Price 2.10.**

No. 1523—CULTIVATOR WEEDER—The weeding blade on this combination tool cuts off all weeds quickly and easily while the three-prong cultivator mulches the soil, getting at places hard to reach. **Price \$1.35.**

**SAVE YOUR BACK
WITH MODERN
GARDEX**



No. 121



No. 251

No. 120—BOW-PULL HOE—An exceptionally fine hoe for use in thinning, hoeing and weeding among vegetables, tobacco, cotton and similar crops and for use under shrubberies. **Price \$1.40.**

No. 750 and 751—DIBBLE AND PLANTER—A combination everyone needs in garden work. Used for setting out plants and planting bulbs. Made of steel, light as a feather with pistol grips for comfort. **Price: No. 750, \$1.00; No. 751, 95c.**

No. 121—BEET HOE—This hoe is especially designed to allow working underneath spreading leaf crops. **Price \$1.25.**

No. 251—CURVED TOOTH RAKE—This rake features the famous Gardex "No Wobble" Handle Socket connected directly in the rake head. Made of high carbon steel with curved prongs for holding rakings. **Price \$1.00.**

ORDERING SUGGESTIONS

Free Transportation on all Flowers and Vegetable Seeds in Packets, Ounces or 1/4 Lbs.

All seeds quoted in this catalog are shipped by Parcel Post, all transportation and packing charges paid by us. C.O.D. and money order return fees are not considered as transportation charges and, therefore, must be paid for by the customer. Avoid them by sending remittance with order. Bulk seeds, such as Peas, Beans and Corn, in quantities, are shipped to your nearest express or freight office, transportation collect. If you wish them shipped by Parcel Post, please send necessary postage.

SHIPPING ORDERS. When goods are to be shipped by Freight or Express, give plain shipping directions; otherwise we use our best judgment in routing. Goods on which we pay transportation are shipped at our option.

SEND MONEY. Remittances should always accompany the order. Remittances may be made at our risk by any of the following methods: (1st and best) Post Office Order; (2nd) Bank Draft; (3rd) Express Company Money Order; (4th) Cash by Express in amounts not less than \$50; (5th) Registered Letters.

WE GUARANTEE the safe arrival of your order.

We wish it understood that all our stocks are sold under the following conditions: We give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants we sell; nor do we warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damage due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall we be responsible for loss or damage of the crop.



NEPONSET PAPER FLOWER POTS

The Famous Pot with a New Use.

A waterproof pot that can be used for growing plants, where they have to stand continual watering from six to eight weeks. The ideal pot for transplanting and shipping. Unbreakable and much lighter in weight.

Price: 3-inch, per 100, \$1.15;
4-inch, per 100, \$1.30.

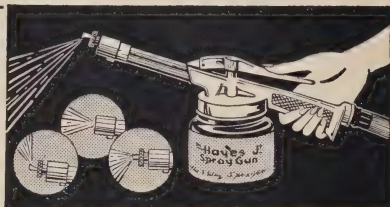
Do as successful market growers do — Place patented Germaco HOTKAPS — strong little hothouses — over seeds (or over plants when transplanting). Completely protect from destructive frosts, storms, insects — maintain perfect mulch. Increase yield from 18% to 51%, ripen plants three weeks earlier.

Quick, easy to set, instructions on package. 25 Hotkaps, 50c. 250 for \$3.50. Setter free. Beat everyone with first vegetables, flowers. Buy Germaco HOTKAPS from us today. **MARKET GROWERS: GERMACO HOTKAPS** help you have sure crops, highest out-of-season prices, bigger profits. 1000 for \$11.00.

Send for **FREE FOLDER**



HAYES JR. SPRAY GUN



Makes 3 gallons of mixed spray material at a time. Sprays up, down, sideways. Just attach HAYES JR. to garden hose, turn on the hydrant, lightly press the conveniently long lever — and HAYES JR. sprays! Gives efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 175 pounds. No moving parts to wear out or break — insures long life and satisfactory service. Price only \$5.95.

HAYES 25 TO 1 PROPORTIONS

To apply liquid and soluble fertilizers, lawn moth solutions, insecticides and fungicides, etc. **only \$1.95**



HAYES-ETTE Self Mixing SPRAYER

Simply attach to garden hose, lightly press a button and HAYES-ETTE efficiently sprays up, down, sideways. Capacity 1 1/2 gallons. Operates on 20 to 150-pound water pressure. Weighs a little over a pound, but efficiently does work of many larger sprayers.

A GERMACO product. Price only \$2.95.



Spokane, Washington
510 Main Avenue

Date.....

Amount Enclosed

P. O. Order \$.....

Draft - - - \$_____

Express Order \$.....

Cash - - - \$.....

Stamps - - - \$_____

Total \$.....

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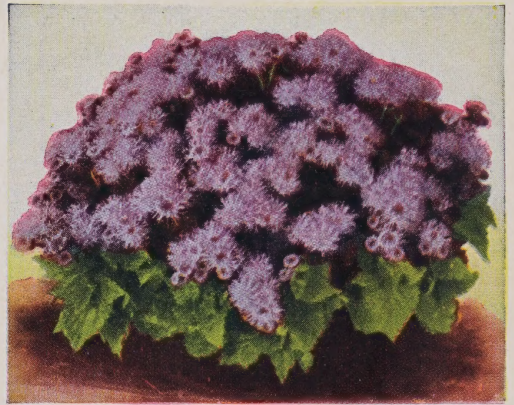


ANNUAL PHLOX MIXED



MARIGOLD GIGANTEA

*Grow these
satisfactory
Annuals
for color*



AGERATUM, MIDGET BLUE



SNAPDRAGON



BEDDING PETUNIAS



WITH three years of war behind us and no immediate prospect of its end before spring crops are planted, it is essential that all Americans who have gardens produce as much food as possible. Plan your garden now. Lay in a stock of fresh seeds, clean and repair your tools before planting time. In addition to the good health and enjoyment of your family you will save valuable transportation space for essential war materials.

For Better Crops . . . Buy Better Seeds at

DUTHIE SEED COMPANY

510 MAIN AVE. - SPOKANE 8, WASHINGTON

1101 MAIN STREET - LEWISTON, IDAHO